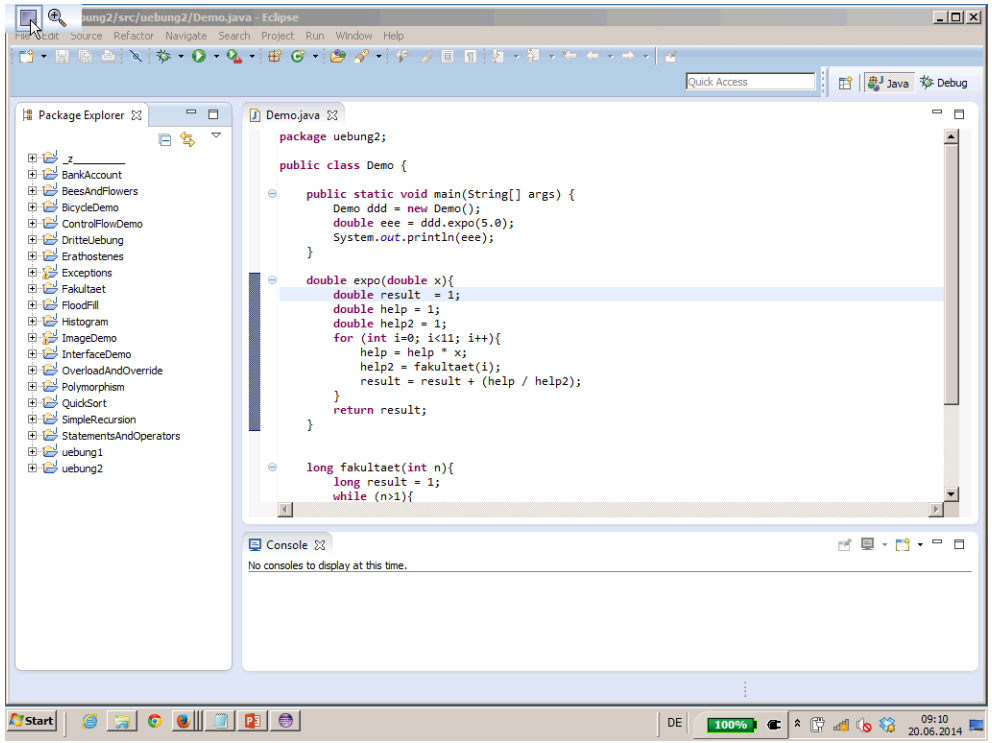
Script **generated by TTT**

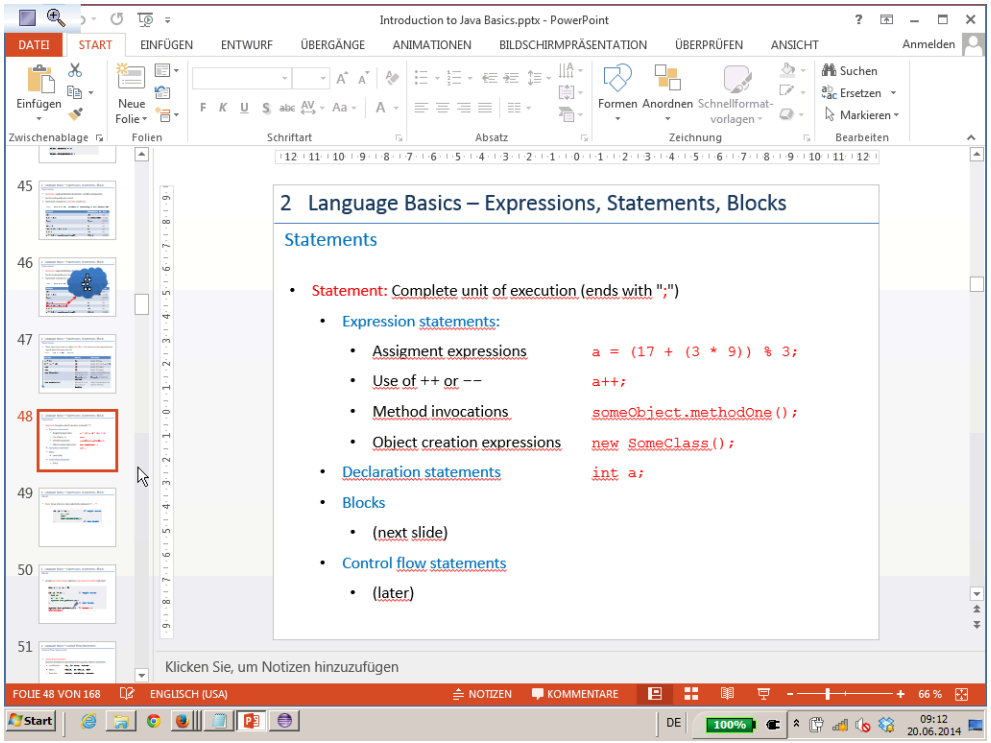
Title: groh: profile1 (20.06.2014)

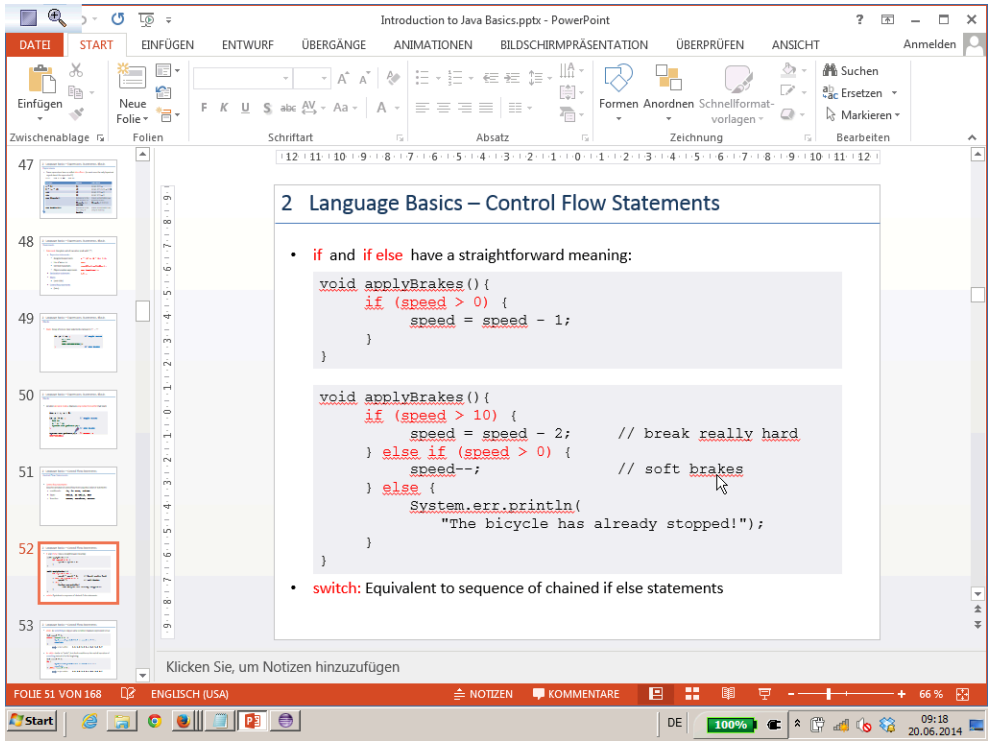
Date: Fri Jun 20 09:10:57 CEST 2014

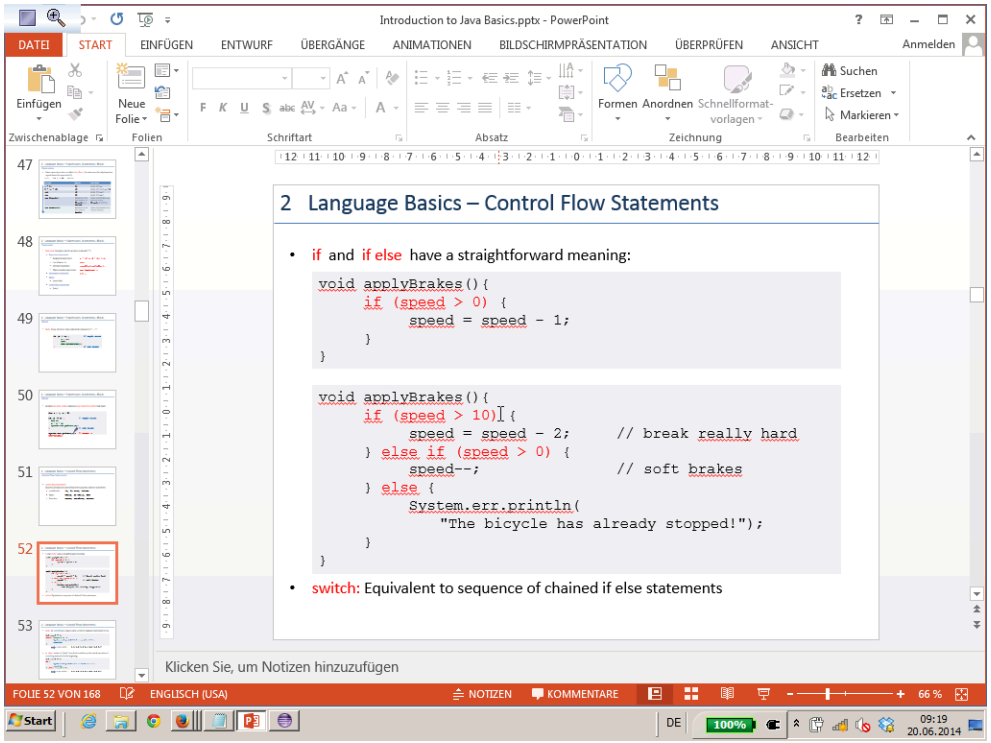
Duration: 99:12 min

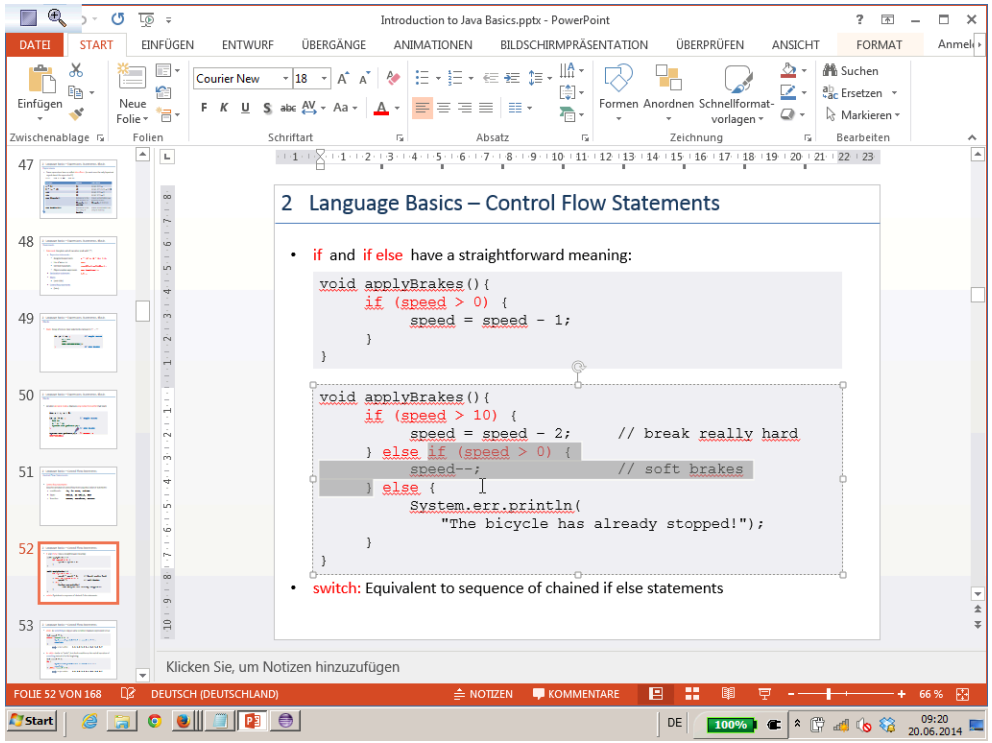
Pages: 96








Introduction to Java Basics.pptx - PowerPoint
2 Language Basics – Control Flow Statements
if and if else have a straightforward meaning:
void applyBrakes(){
if (speed > 0) {
speed = speed - 1;
}
}
void applyBrakes(){
if (speed > 10) {
speed = speed - 2; // break really hard
} else if (speed > 0) {
speed--; // soft brakes
} else {
System.err.println(
"The bicycle has already stopped!");
}
}
switch: Equivalent to sequence of chained if else statements
Klicken Sie, um Notizen hinzuzufügen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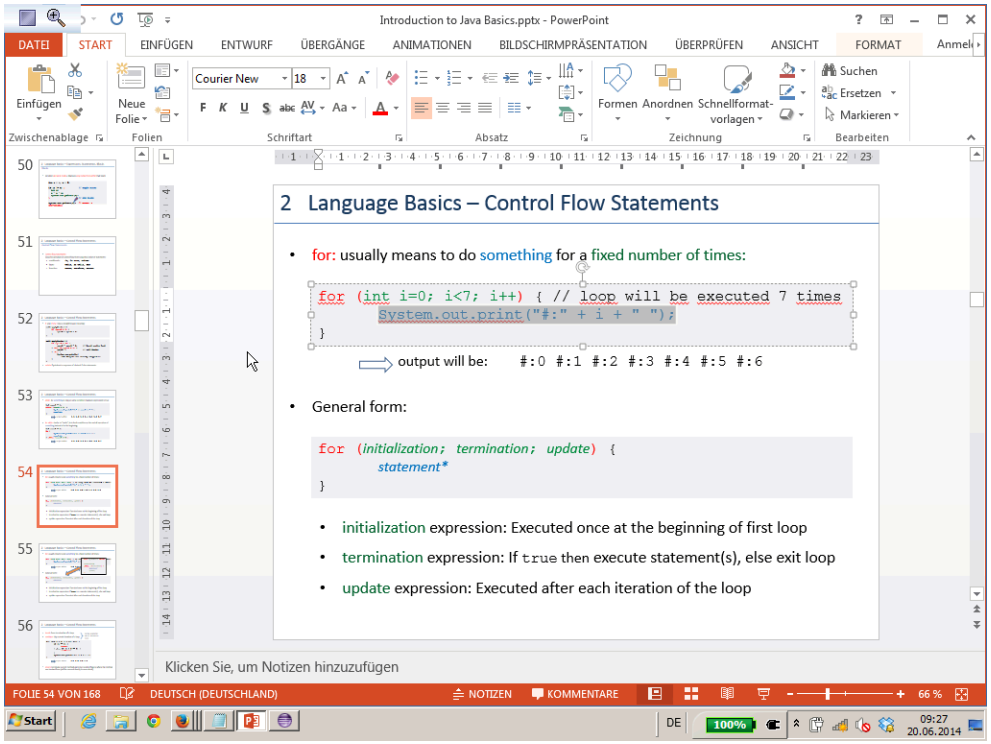
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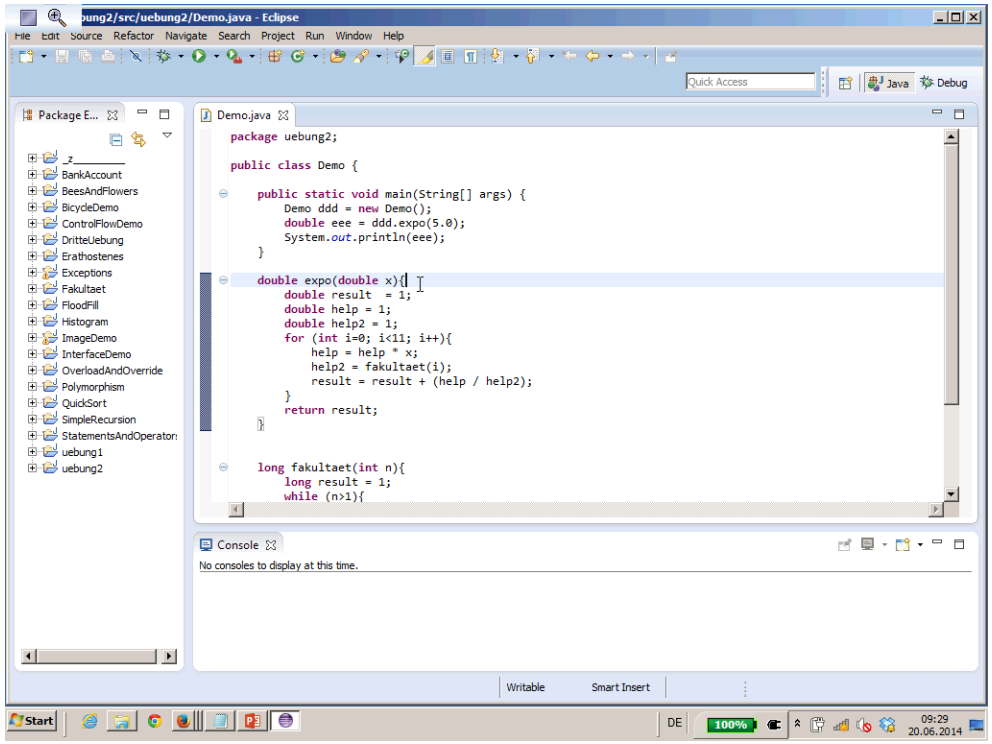
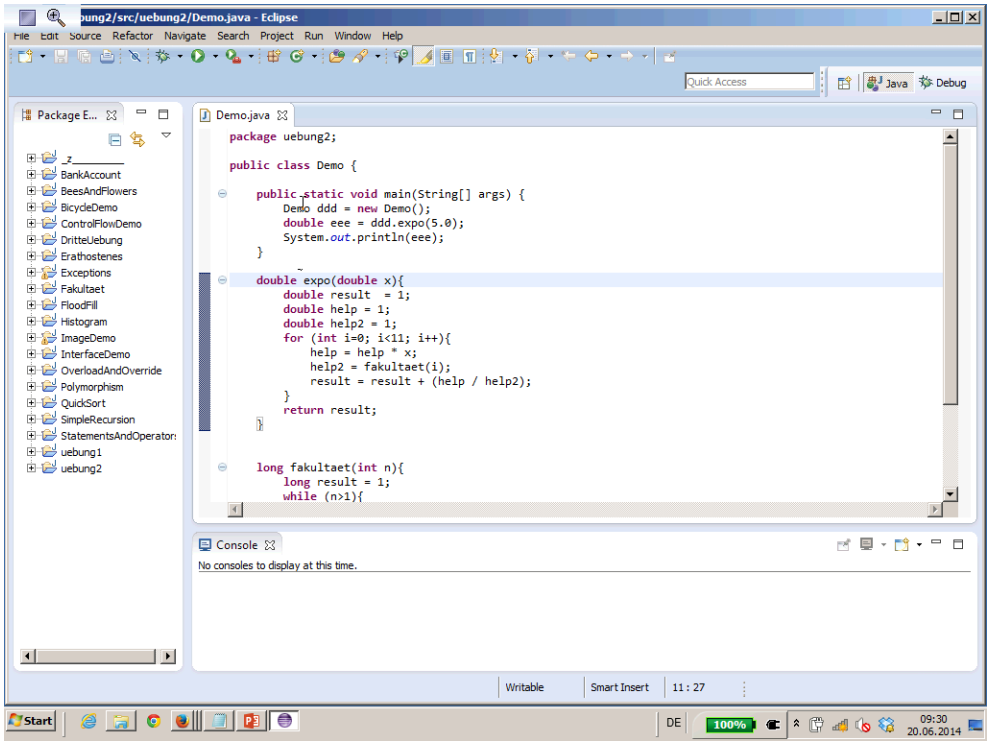
2 Language Basics – Control Flow Statements
for: usually means to do something for a fixed number of times:
for (int i=0; i<7; i++) { // loop will be executed 7 times
System.out.print("#:" + i + " ");
}
output will be: #:0 #:1 #:2 #:3 #:4 #:5 #:6
General form:
for (initialization; termination; update) {
statement*
}
initialization expression: Executed once at the beginning of first loop
termination expression: If true then execute statement(s), else exit loop
update expression: Executed after each iteration of the loop
Klicken Sie, um Notizen hinzuzufügen


Eclipse
Demo.java
package uebung2;
public class Demo {
public static void main(String[] args) {
Demo ddd = new Demo();
double eee = ddd.expo(5.0);
System.out.println(eee);
}
double expo(double x){
double result = 1;
double help = 1;
double help2 = 1;
for (int i=0; i<11; i++){
help = help * x;
help2 = fakultaet(i);
result = result + (help / help2);
}
return result;
}
long fakultaet(int n){
long result = 1;
while (n>1){
Console
No consoles to display at this time.


Demo.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
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Console
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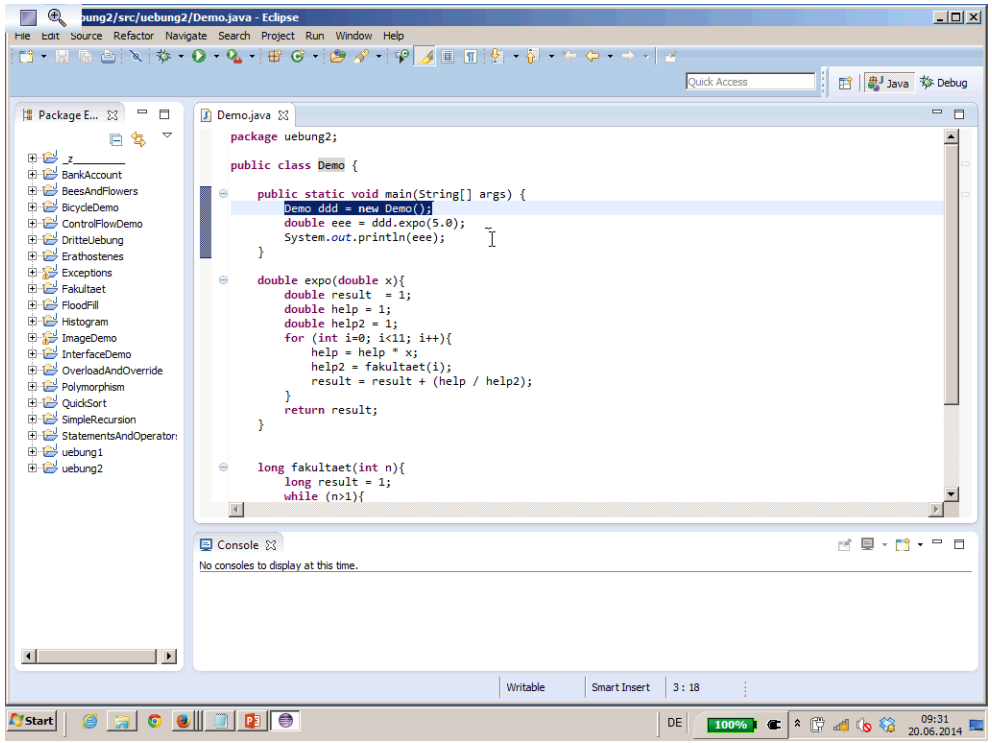
Writable
Smart Insert
11 : 27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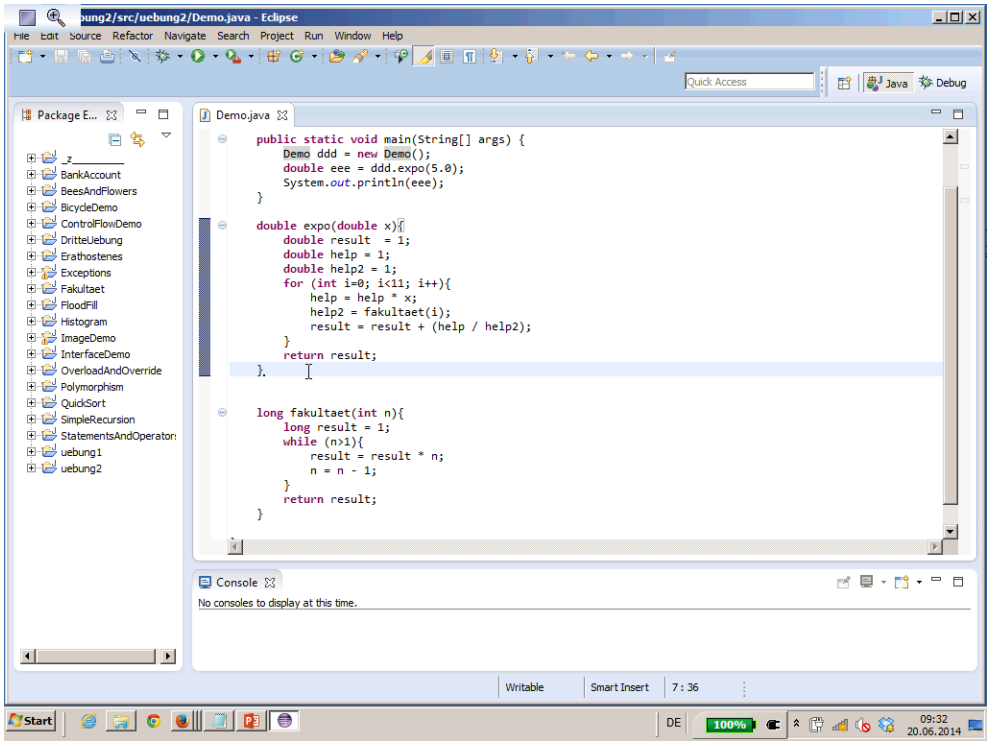
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long result = 1;
while (n>1){
result = result * n;
n = n - 1;
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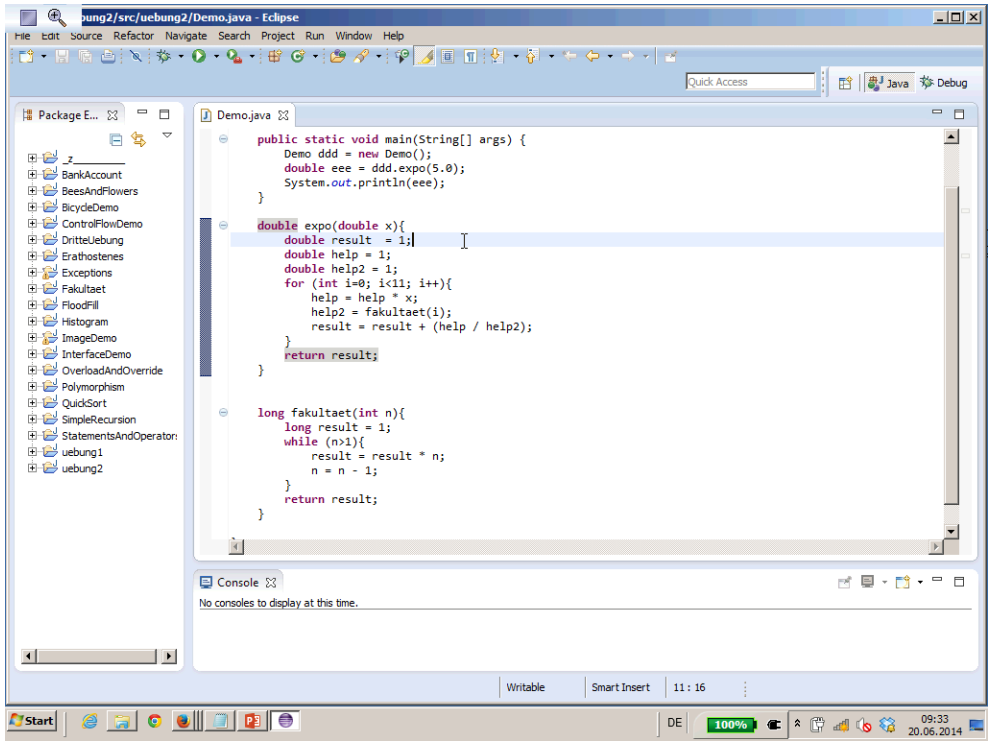
}
Console
No consoles to display at this time.
Writable
Smart Insert
7 : 36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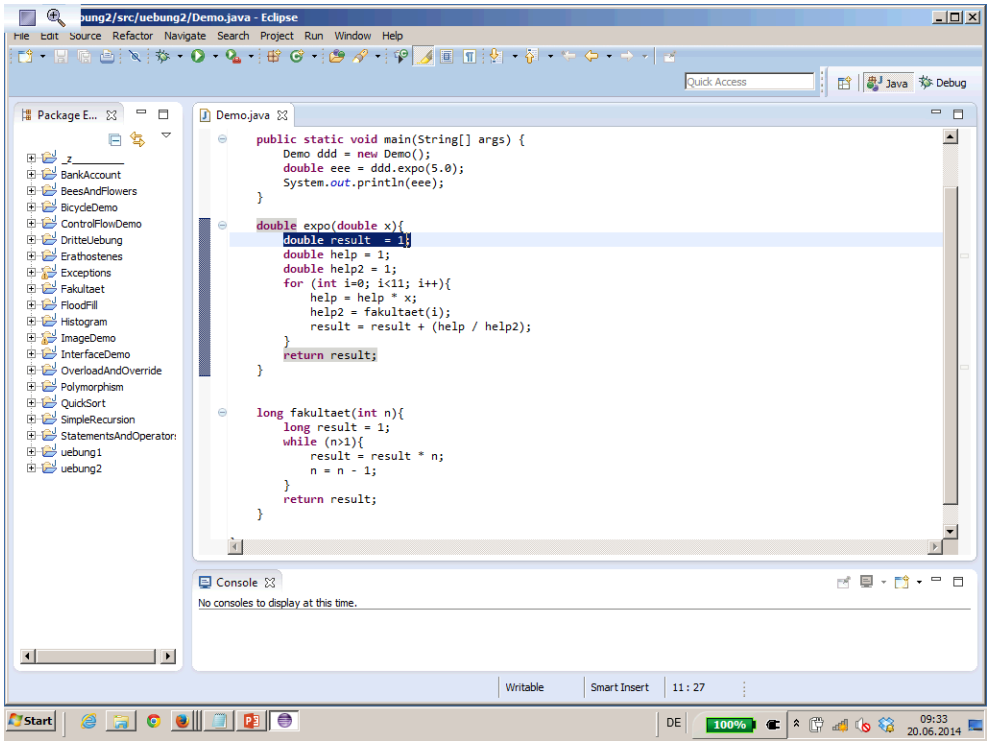
bung2/src/uebung2/Demo.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Java
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Package E...
Demo.java
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BankAccount
BeesAndFlowers
BicycleDemo
ControlFlowDemo
DritteUebung
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11 : 27
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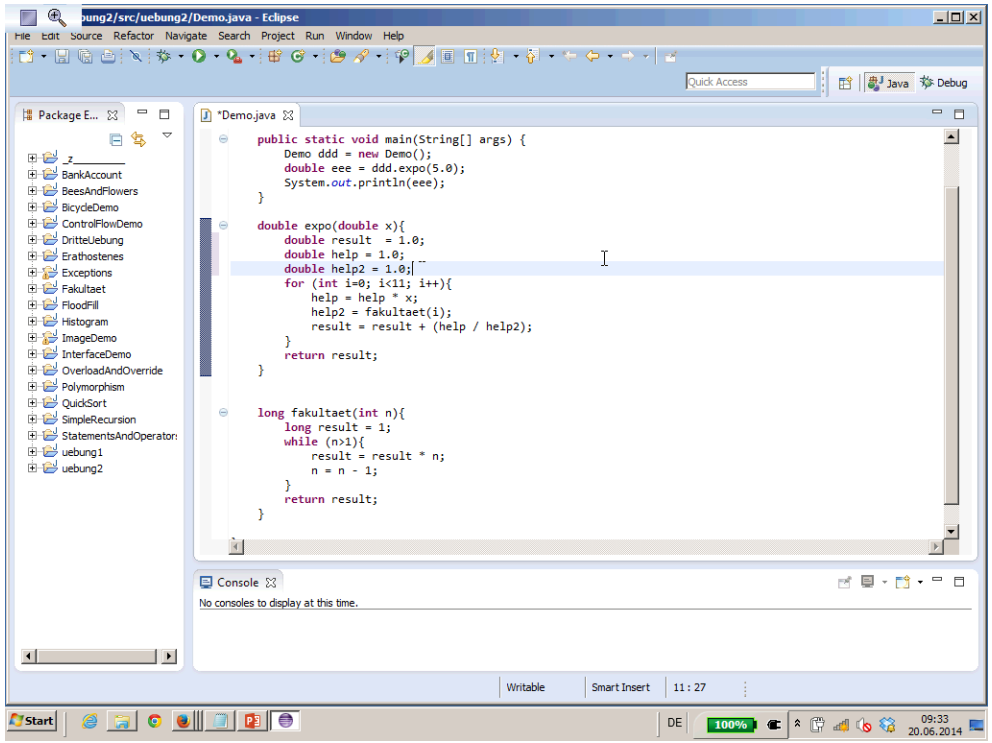
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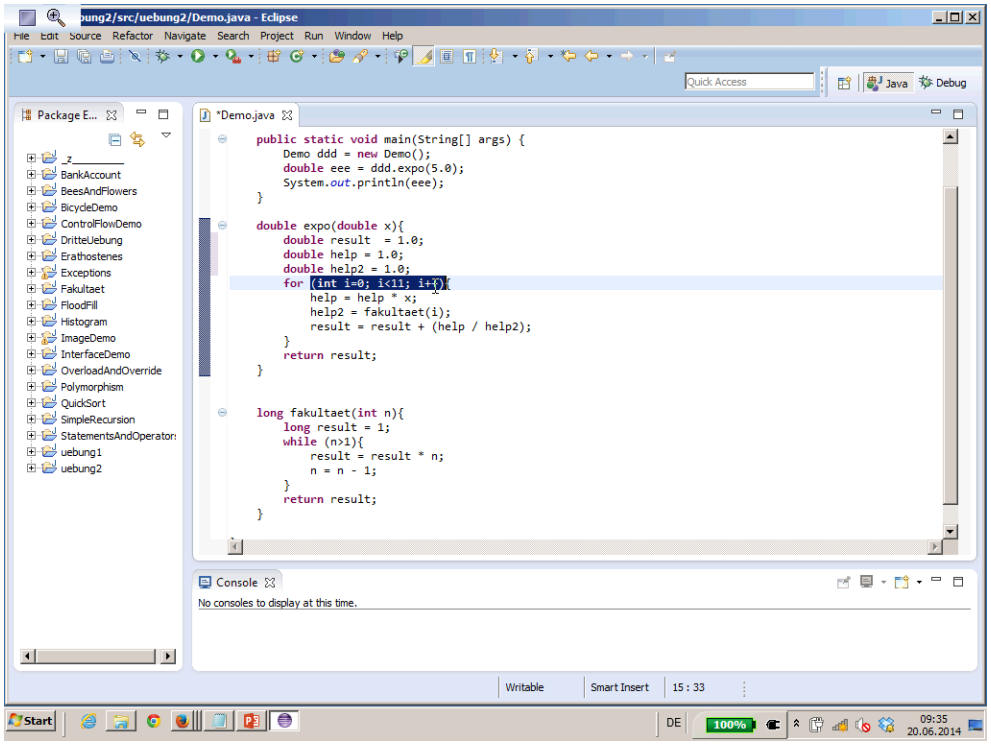
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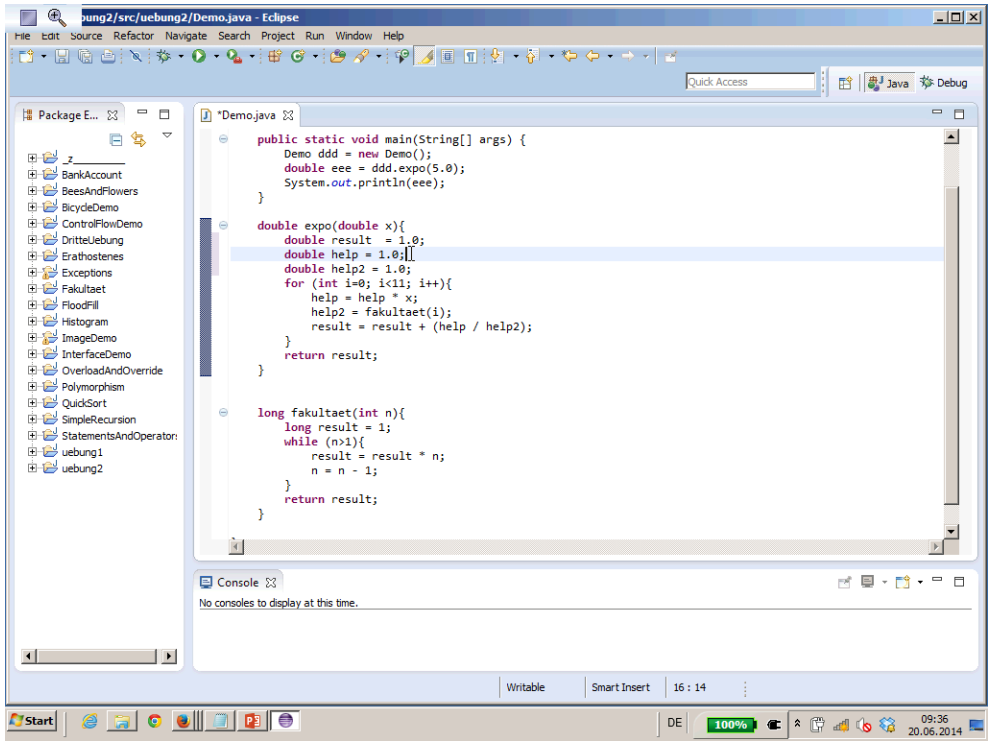
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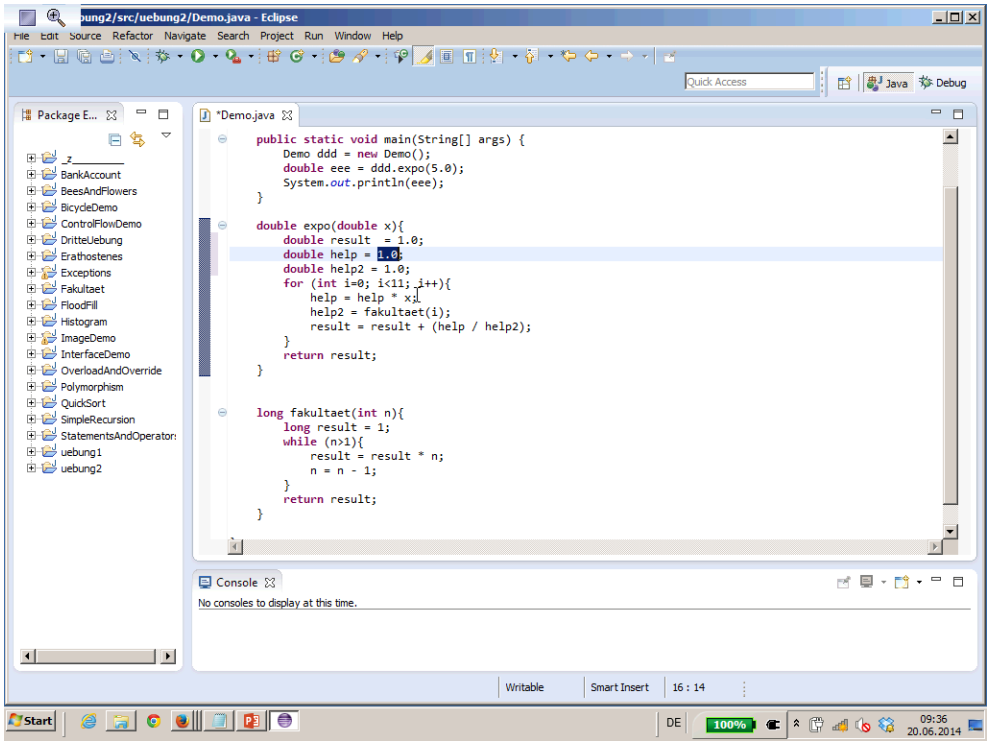
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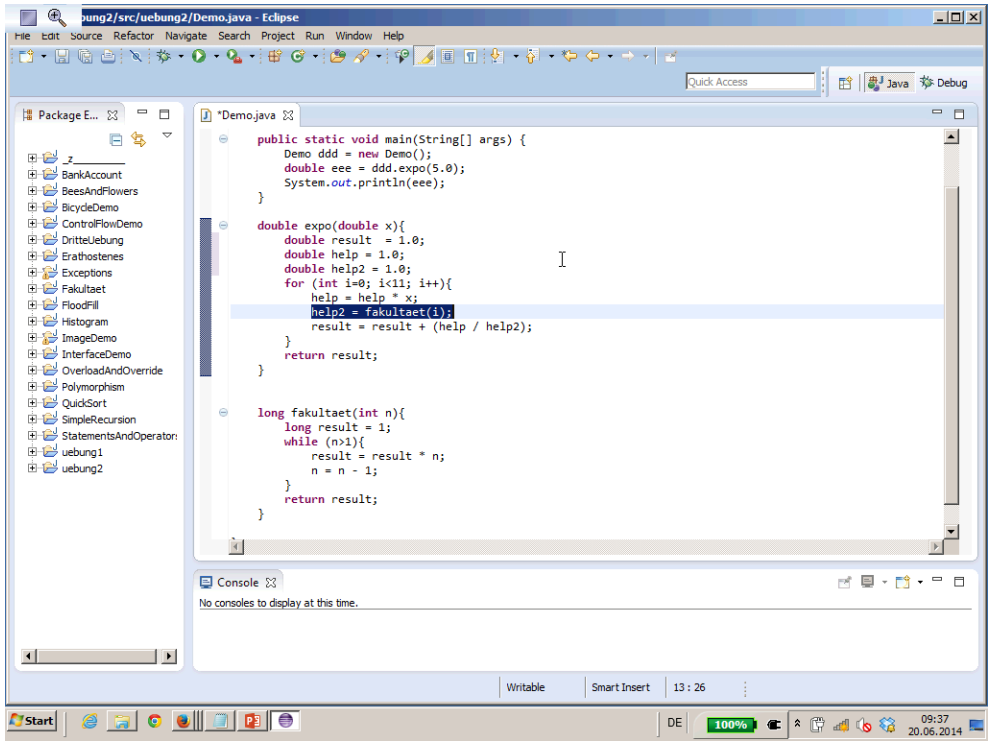
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13 : 26
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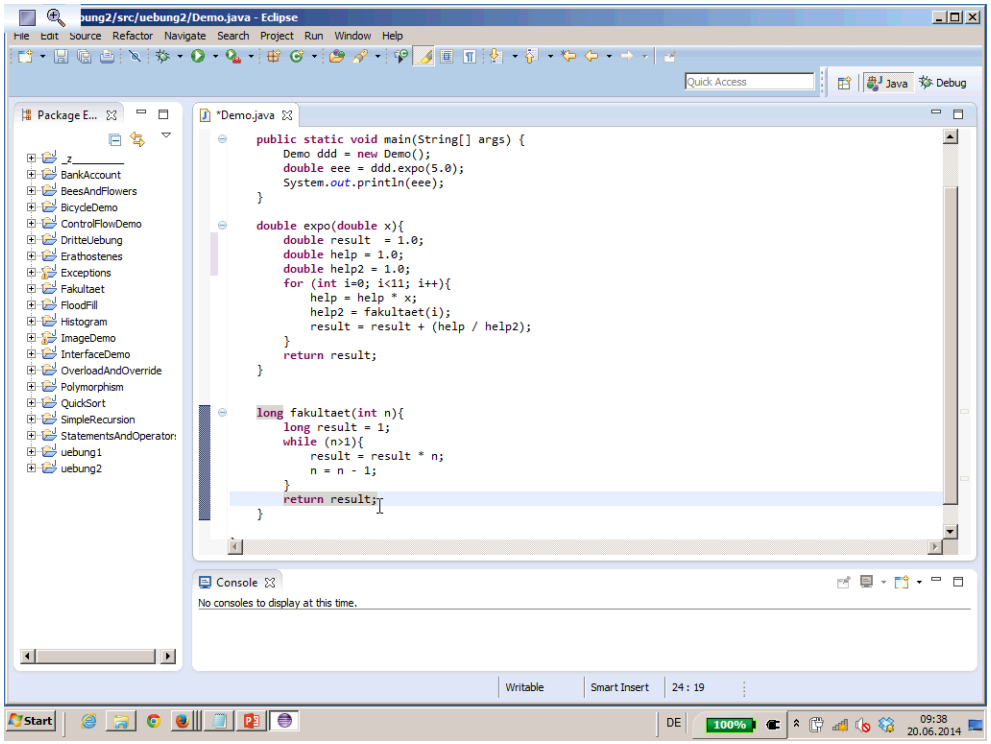
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24 : 19
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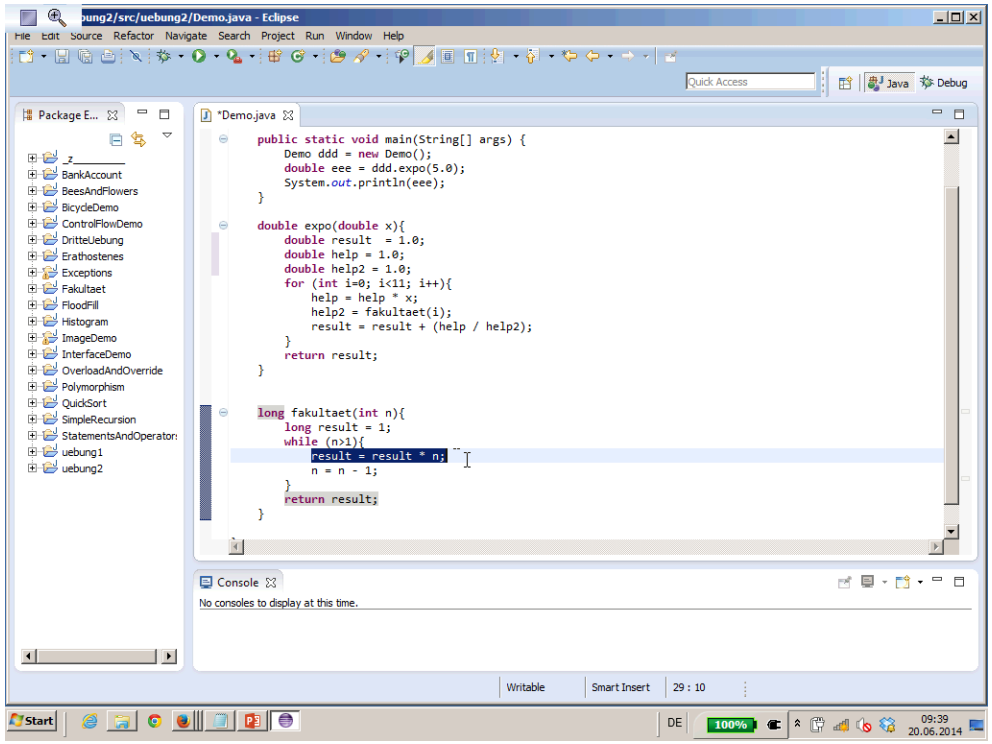
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Console
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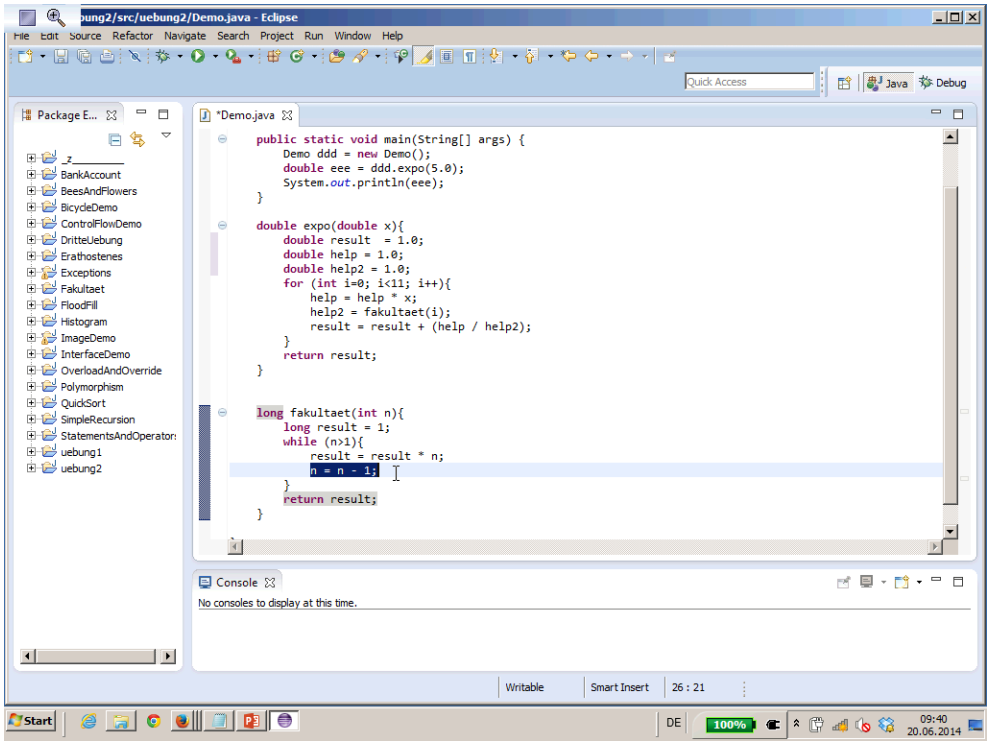
20.06.2014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Console
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26 : 21
Start
DE
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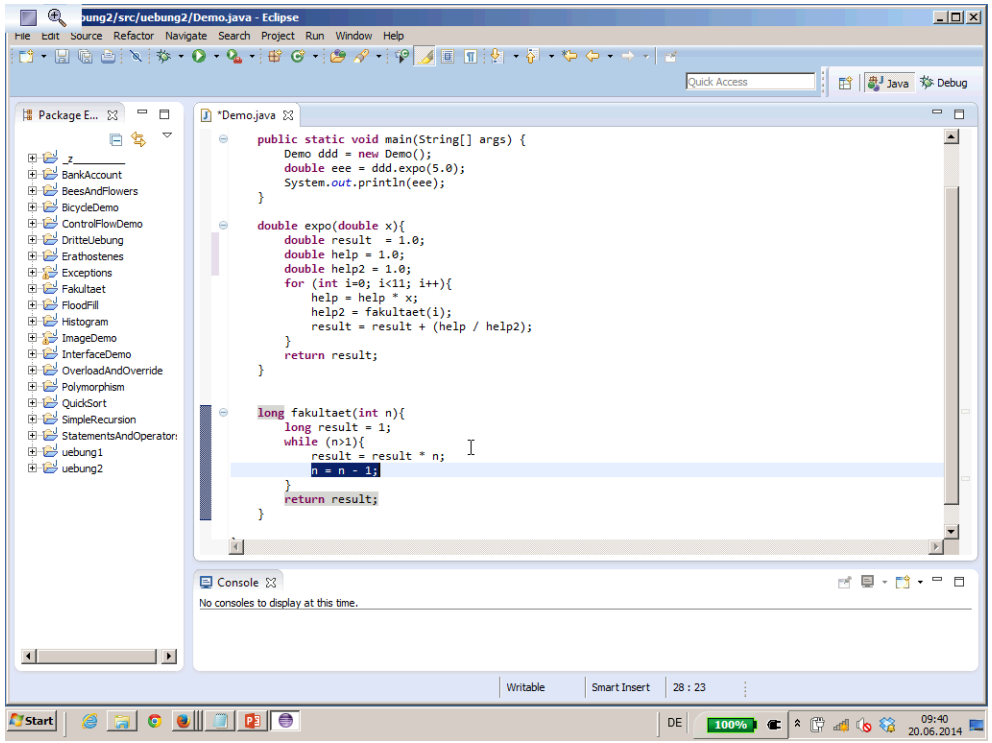
09:40
20.06.2014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ImageDemo
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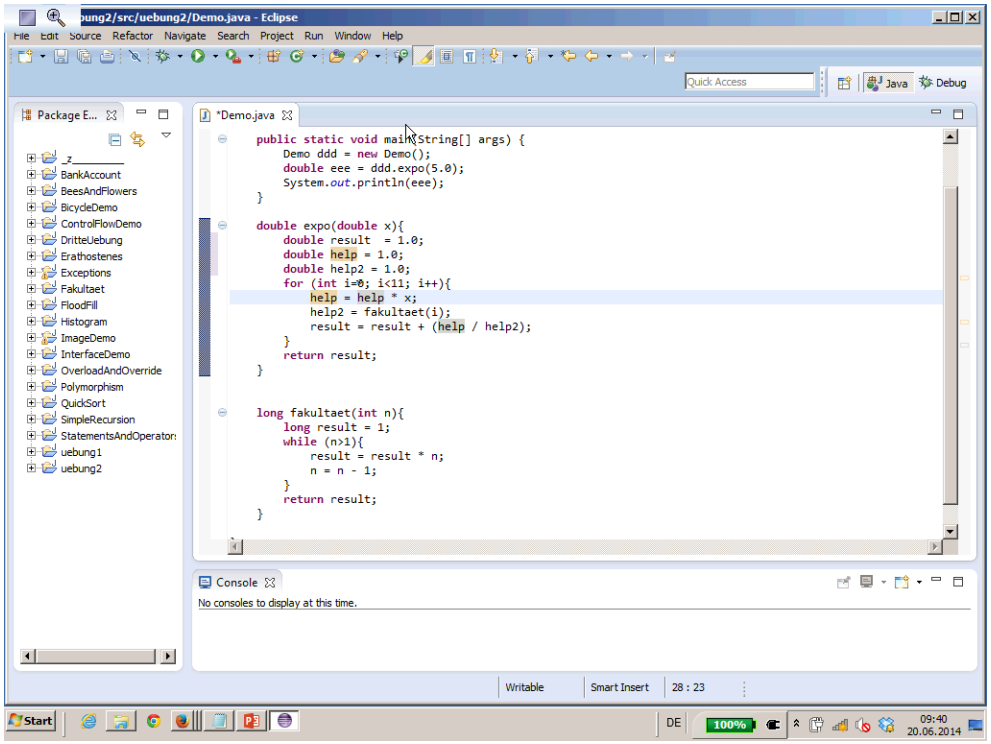
OverloadAndOverride
Polymorphism
QuickSort
SimpleRecursion
StatementsAndOperators
uebung1
uebung2
public static void main(String[] args) {
Demo ddd = new Demo();
double eee = ddd.expo(5.0);
System.out.println(eee);
}
double expo(double x){
double result = 1.0;
double help = 1.0;
double help2 = 1.0;
for (int i=0; i<11; i++){
help = help * x;
help2 = fakultaet(i);
result = result + (help / help2);
}
return result;
}
long fakultaet(int n){
long result = 1;
while (n>1){
result = result * n;
n = n - 1;
}
return result;
}
Console
No consoles to display at this time.
Writable
Smart Insert
28 : 23
Start
DE
100%
09:40
20.06.2014


bung2/src/uebung2/Demo.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Java
Debug
Package E...
*Demo.java
_z_____
BankAccount
BeesAndFlowers
BicycleDemo
ControlFlowDemo
DritteUebung
Erathostenes
Exceptions
Fakultaet
FloodFill
Histogram
ImageDemo
InterfaceDemo
OverloadAndOverride
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uebung2
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}
long fakultaet(int n){
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n = n - 1;
}
return result;
}
Console
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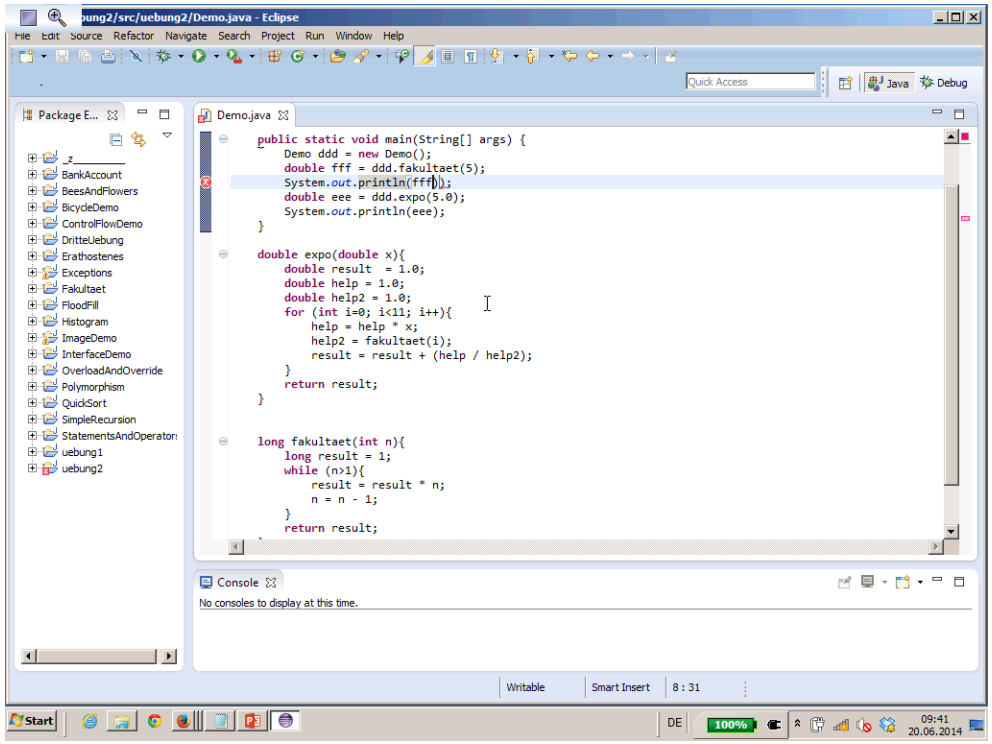
Writable
Smart Insert
28 : 23
Start
DE
100%
09:40
20.06.2014


bung2/src/uebung2/Demo.java - Eclipse
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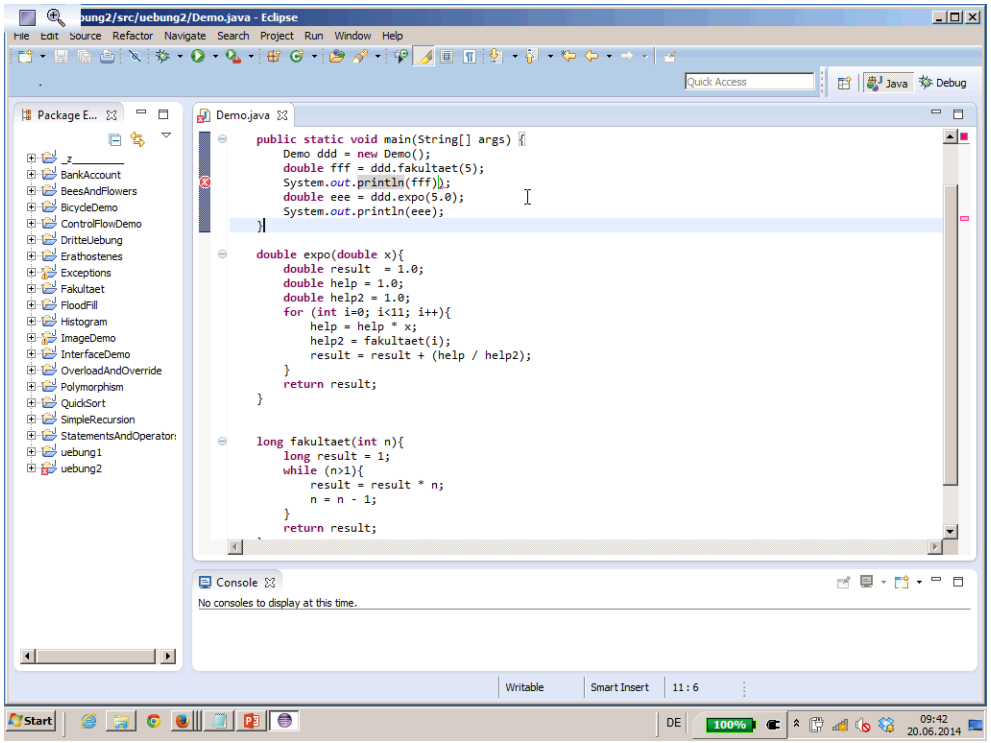
Fakultaet
FloodFill
Histogram
ImageDemo
InterfaceDemo
OverloadAndOverride
Polymorphism
QuickSort
SimpleRecursion
StatementsAndOperators
uebung1
uebung2
public static void main(String[] args) {
Demo ddd = new Demo();
double fff = ddd.fakultaet(5);
System.out.println(fff);
double eee = ddd.expo(5.0);
System.out.println(eee);
}
double expo(double x){
double result = 1.0;
double help = 1.0;
double help2 = 1.0;
for (int i=0; i<11; i++){
help = help * x;
help2 = fakultaet(i);
result = result + (help / help2);
}
return result;
}
long fakultaet(int n){
long result = 1;
while (n>1){
result = result * n;
n = n - 1;
}
return result;
}
Console
No consoles to display at this time.
Writable
Smart Insert
8 : 31
Start
DE
100%
09:41
20.06.2014


ung2/src/uebung2/Demo.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
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Java
Debug
Package E...
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BeesAndFlowers
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Fakultaet
FloodFill
Histogram
ImageDemo
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OverloadAndOverride
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uebung1
uebung2
Demo.java
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Demo ddd = new Demo();
double fff = ddd.fakultaet(5);
System.out.println(fff);
double eee = ddd.expo(5.0);
System.out.println(eee);
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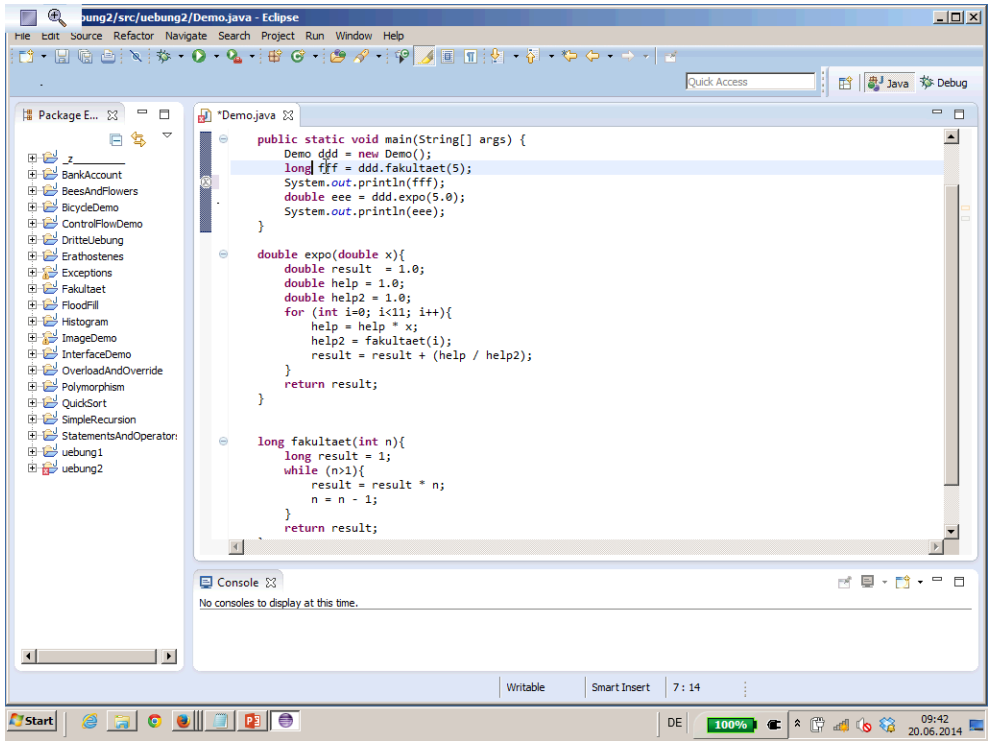
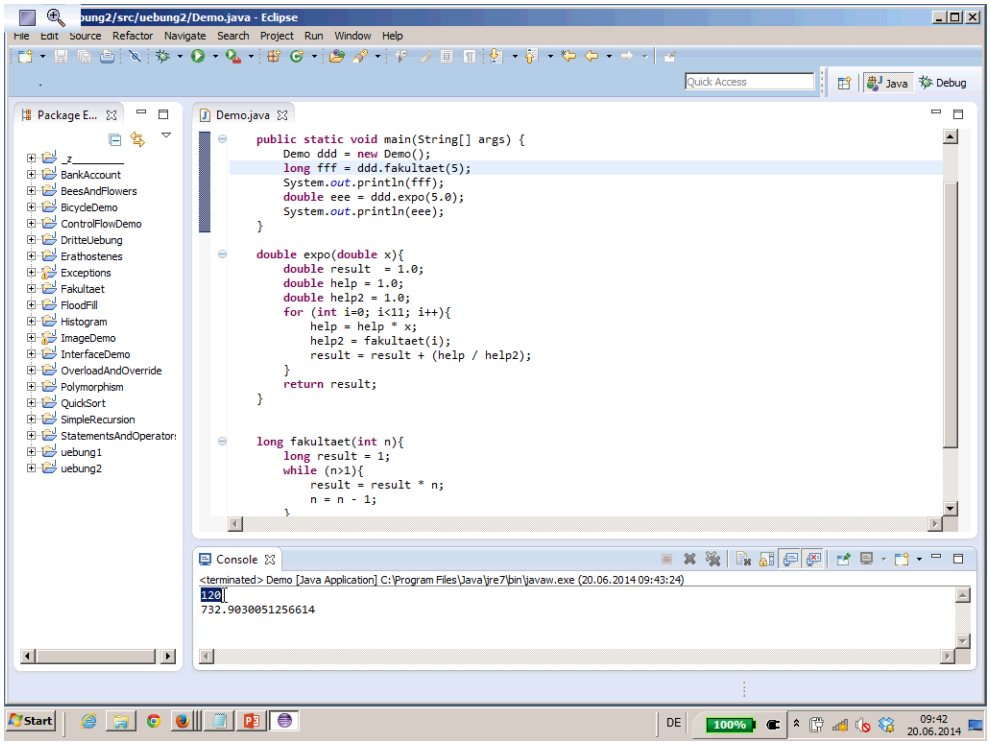
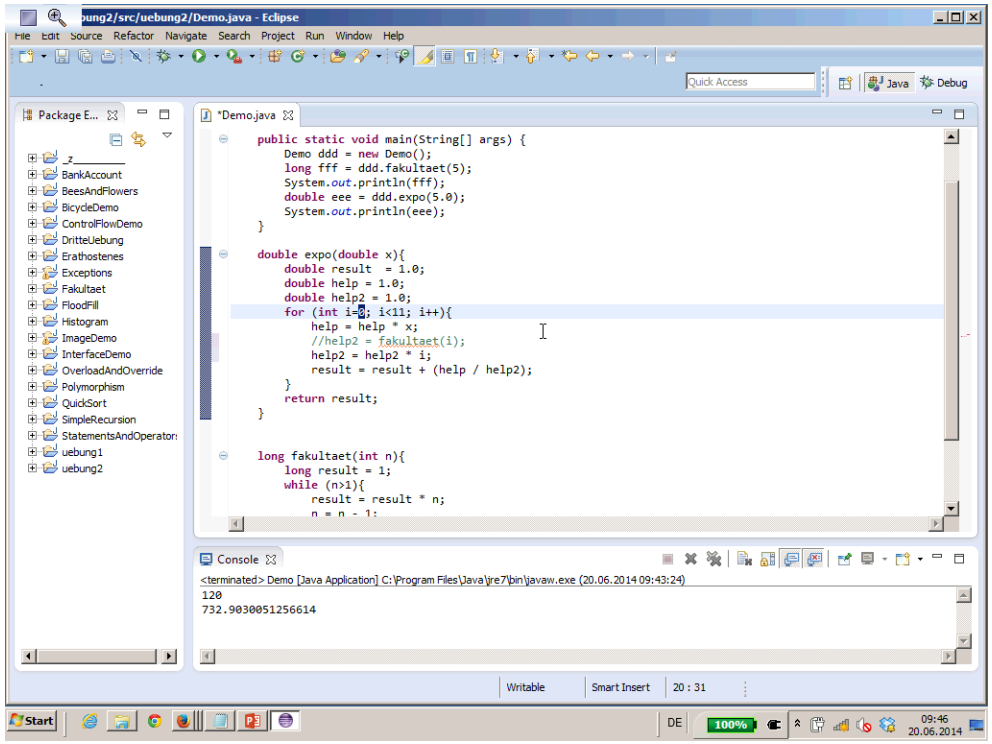
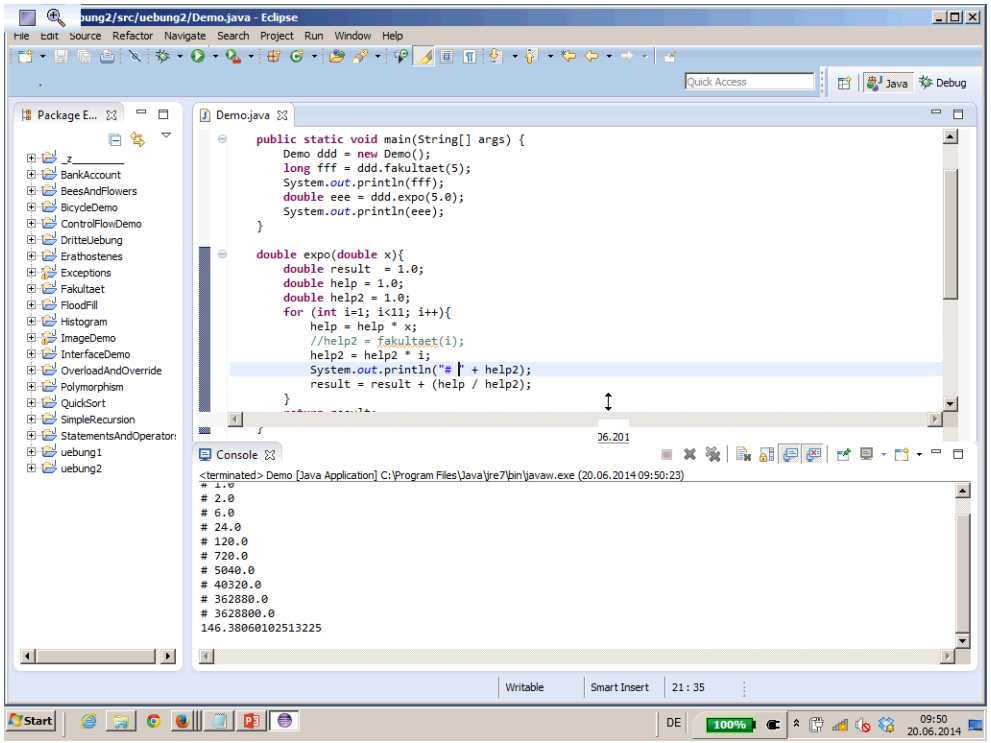
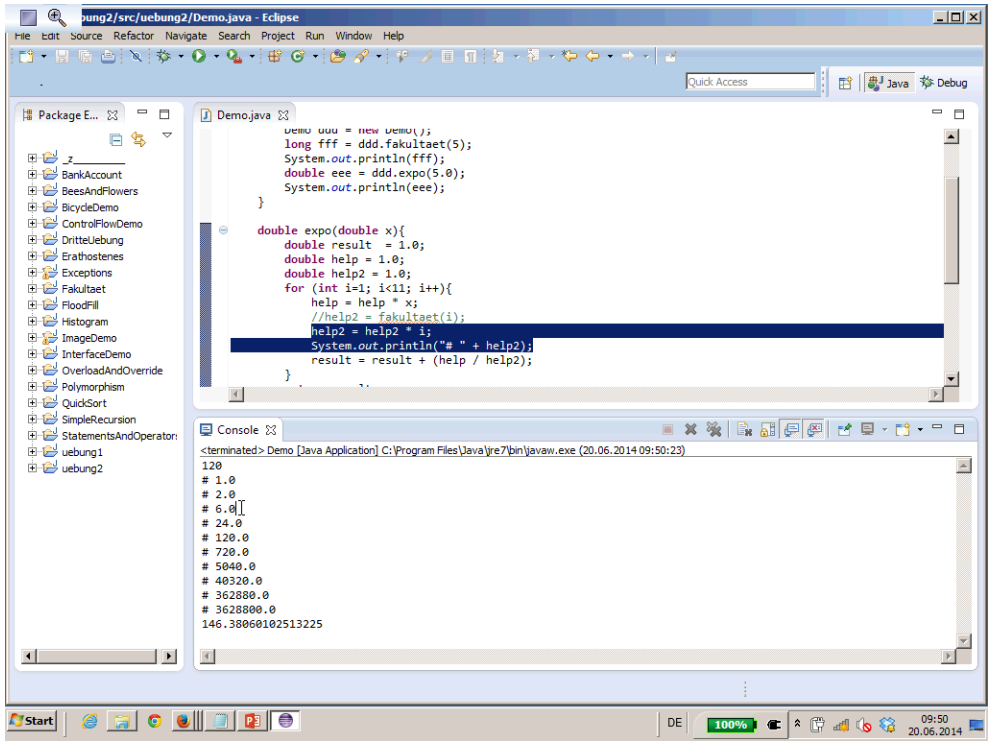
double help = 1.0;
double help2 = 1.0;
for (int i=0; i<11; i++){
help = help * x;
help2 = fakultaet(i);
result = result + (help / help2);
}
return result;
}
long fakultaet(int n){
long result = 1;
while (n>1){
result = result * n;
n = n - 1;
}
return result;
Console
No consoles to display at this time.
Writable
Smart Insert
11 : 6
Start
DE
100%
09:42
20.06.2014


ung2/src/uebung2/Demo.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Java
Debug
Package E...
*Demo.java
public static void main(String[] args) {
Demo ddd = new Demo();
long fff = ddd.fakultaet(5);
System.out.println(fff);
double eee = ddd.expo(5.0);
System.out.println(eee);
}
double expo(double x){
double result = 1.0;
double help = 1.0;
double help2 = 1.0;
for (int i=0; i<11; i++){
help = help * x;
help2 = fakultaet(i);
result = result + (help / help2);
}
return result;
}
long fakultaet(int n){
long result = 1;
while (n>1){
result = result * n;
n = n - 1;
}
return result;
Console
No consoles to display at this time.
Writable
Smart Insert
7 : 14
Start
DE
100%
09:42
20.06.2014


ung2/src/uebung2/Demo.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Java
Debug
Package E...
Demo.java
public static void main(String[] args) {
Demo ddd = new Demo();
long fff = ddd.fakultaet(5);
System.out.println(fff);
double eee = ddd.expo(5.0);
System.out.println(eee);
}
double expo(double x){
double result = 1.0;
double help = 1.0;
double help2 = 1.0;
for (int i=0; i<11; i++){
help = help * x;
help2 = fakultaet(i);
result = result + (help / help2);
}
return result;
}
long fakultaet(int n){
long result = 1;
while (n>1){
result = result * n;
n = n - 1;
Console
<terminated> Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 09:43:24)
120
732.9030051256614
Start
DE
100%
09:42
20.06.2014


ung2/src/uebung2/Demo.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Java
Debug
Package E...
*Demo.java
public static void main(String[] args) {
Demo ddd = new Demo();
long fff = ddd.fakultaet(5);
System.out.println(fff);
double eee = ddd.expo(5.0);
System.out.println(eee);
}
double expo(double x){
double result = 1.0;
double help = 1.0;
double help2 = 1.0;
for (int i=2; i<11; i++){
help = help * x;
//help2 = fakultaet(i);
help2 = help2 * i;
result = result + (help / help2);
}
return result;
}
long fakultaet(int n){
long result = 1;
while (n>1){
result = result * n;
Console
<terminated> Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 09:43:24)
120
732.9030051256614
Writable
Smart Insert
20 : 31
Start
DE
100%
09:46
20.06.2014


Demo.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Java
Debug
Package E...
Demo.java
public static void main(String[] args) {
Demo ddd = new Demo();
long fff = ddd.fakultaet(5);
System.out.println(fff);
double eee = ddd.expo(5.0);
System.out.println(eee);
}
double expo(double x){
double result = 1.0;
double help = 1.0;
double help2 = 1.0;
for (int i=1; i<11; i++){
help = help * x;
//help2 = fakultaet(i);
help2 = help2 * i;
System.out.println("# " + help2);
result = result + (help / help2);
}
BankAccount
BeesAndFlowers
BicycleDemo
ControlFlowDemo
DritteUebung
Erathostenes
Exceptions
Fakultaet
FloodFill
Histogram
ImageDemo
InterfaceDemo
OverloadAndOverride
Polymorphism
QuickSort
SimpleRecursion
StatementsAndOperators
uebung1
uebung2
Console
<terminated> Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 09:50:23)
2.0
6.0
24.0
120.0
720.0
5040.0
40320.0
362880.0
3628800.0
146.38060102513225
Writable
Smart Insert
21 : 35
Start
DE
100%
09:50
20.06.2014


Demo.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Java
Debug
Package E...
Demo.java
long fff = ddd.fakultaet(5);
System.out.println(fff);
double eee = ddd.expo(5.0);
System.out.println(eee);
}
double expo(double x){
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double help = 1.0;
double help2 = 1.0;
for (int i=1; i<11; i++){
help = help * x;
//help2 = fakultaet(i);
help2 = help2 * i;
System.out.println("# " + help2);
result = result + (help / help2);
}
BankAccount
BeesAndFlowers
BicycleDemo
ControlFlowDemo
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Erathostenes
Exceptions
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FloodFill
Histogram
ImageDemo
InterfaceDemo
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Polymorphism
QuickSort
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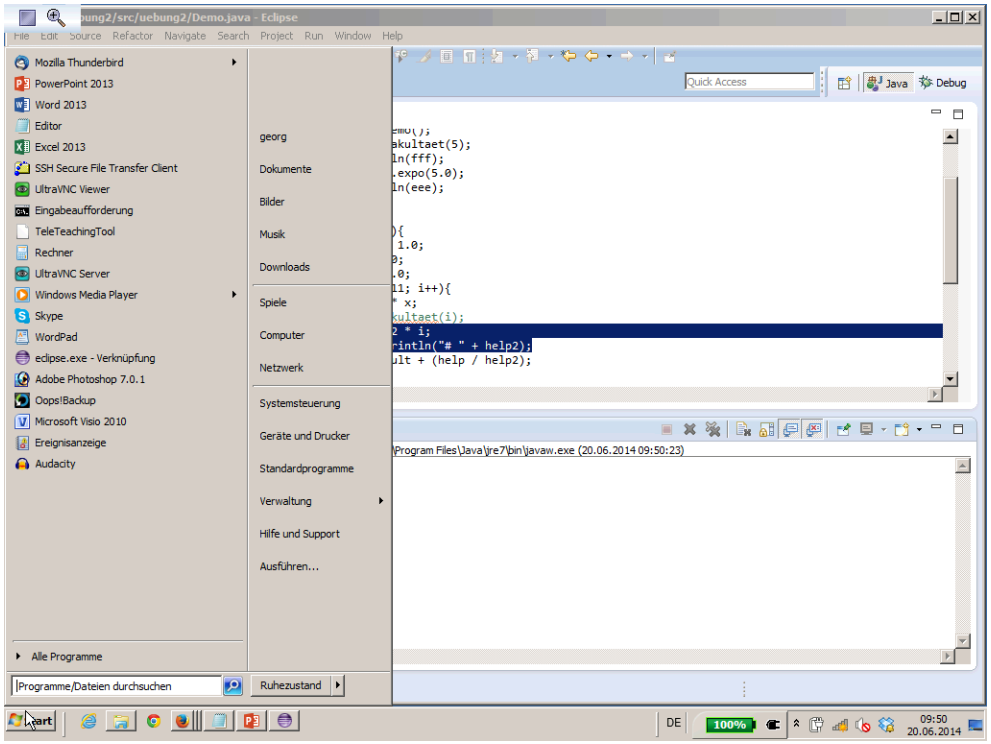
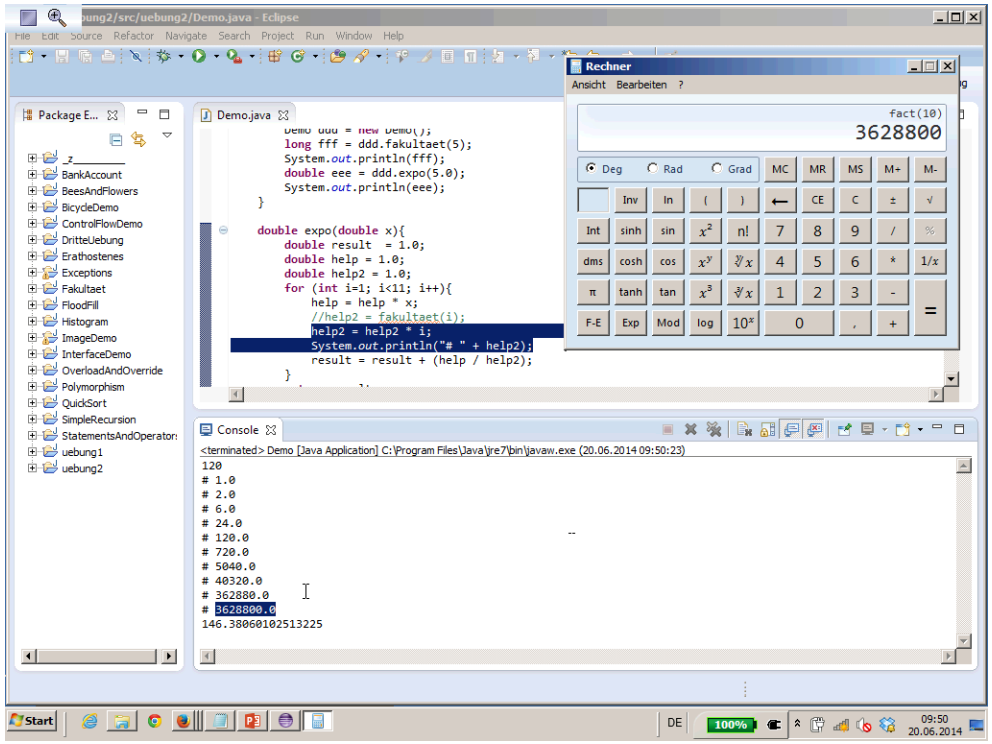
StatementsAndOperators
uebung1
uebung2
Console
<terminated> Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 09:50:23)
120
1.0
2.0
6.0
24.0
120.0
720.0
5040.0
40320.0
362880.0
3628800.0
146.38060102513225
Start
DE
100%
09:50
20.06.2014


Mozilla Thunderbird
PowerPoint 2013
Word 2013
Editor
Excel 2013
SSH Secure File Transfer Client
UltraVNC Viewer
Eingabeaufforderung
TeleTeachingTool
Rechner
UltraVNC Server
Windows Media Player
Skype
WordPad
eclipse.exe - Verknüpfung
Adobe Photoshop 7.0.1
Oops!Backup
Microsoft Visio 2010
Ereignisanzeige
Audacity
Alle Programme
Programme/Dateien durchsuchen
Ruhezustand
georg
Dokumente
Bilder
Musik
Downloads
Spiele
Computer
Netzwerk
Systemsteuerung
Geräte und Drucker
Standardprogramme
Verwaltung
Hilfe und Support
Ausführen...
Start
DE
100%
09:50
20.06.2014


Rechner
Ansicht Bearbeiten ?
fact(10)
3628800
Deg
Rad
Grad
Demo.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Java
Debug
Package E...
Demo.java
long fff = ddd.fakultaet(5);
System.out.println(fff);
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double help2 = 1.0;
for (int i=1; i<11; i++){
help = help * x;
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help2 = help2 * i;
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BankAccount
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DritteUebung
Erathostenes
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FloodFill
Histogram
ImageDemo
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OverloadAndOverride
Polymorphism
QuickSort
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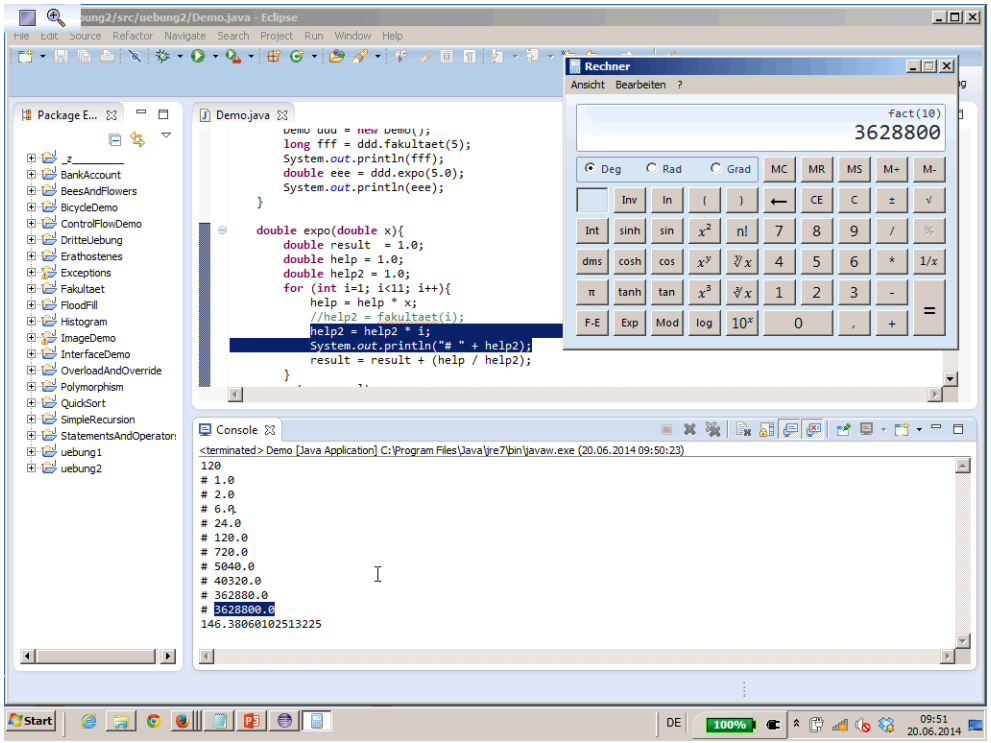
StatementsAndOperators
uebung1
uebung2
Console
<terminated> Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 09:50:23)
120
1.0
2.0
6.0
24.0
120.0
720.0
5040.0
40320.0
362880.0
3628800.0
146.38060102513225
Start
DE
100%
09:50
20.06.2014


Rechner
Ansicht Bearbeiten ?
fact(10)
3628800
Deg Rad Grad
Demo.java
long fff = ddd.fakultaet(5);
System.out.println(fff);
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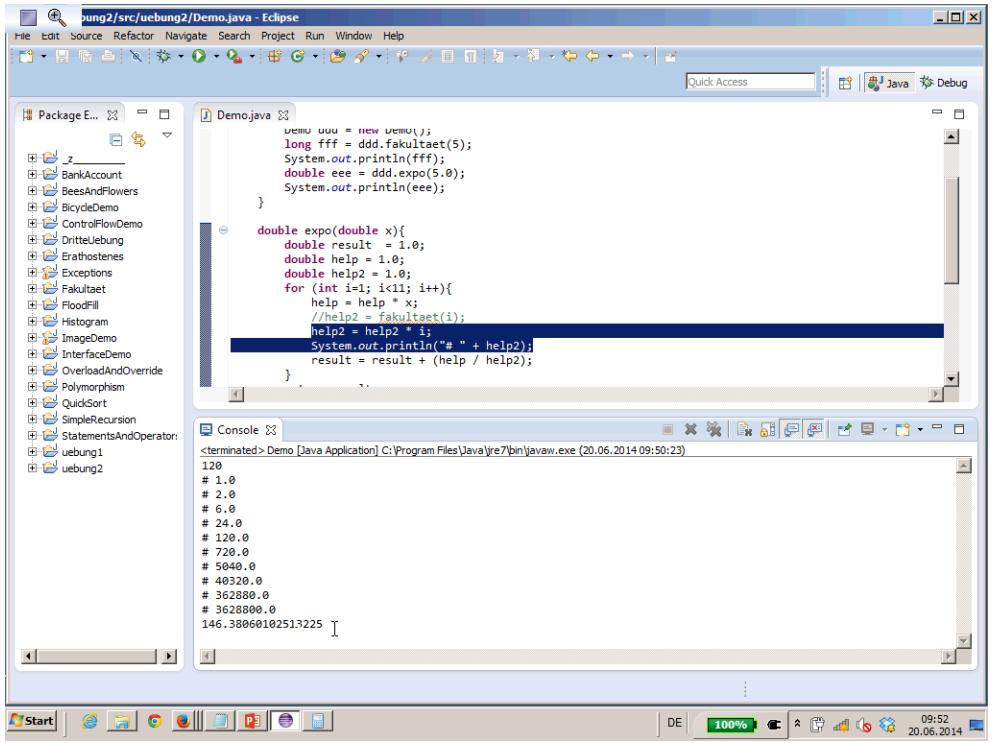
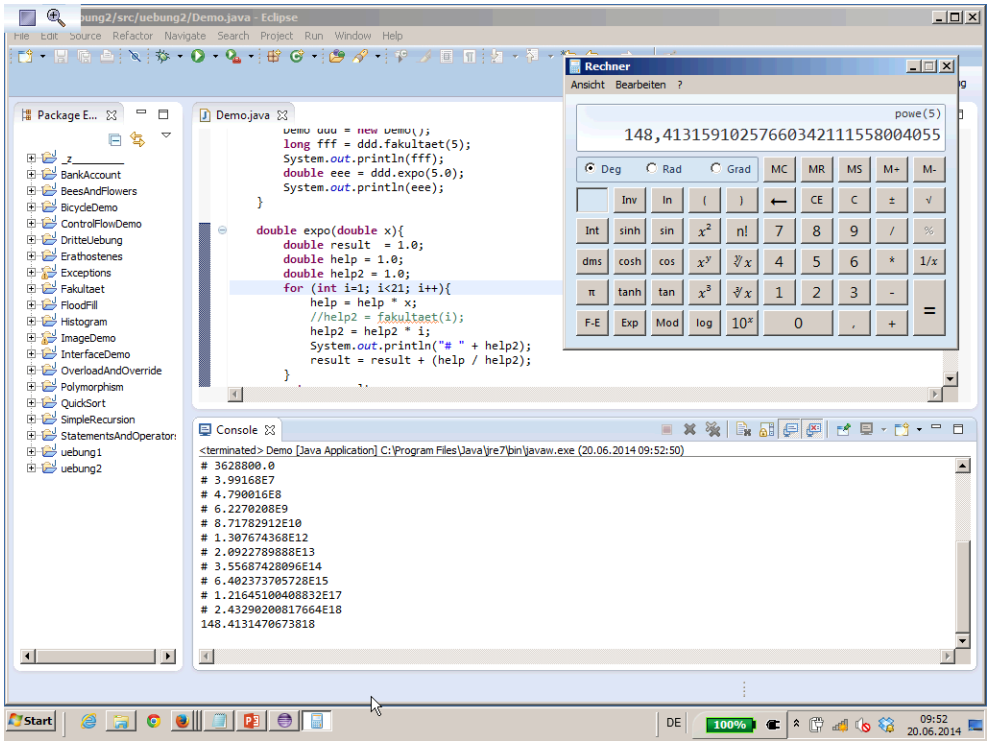
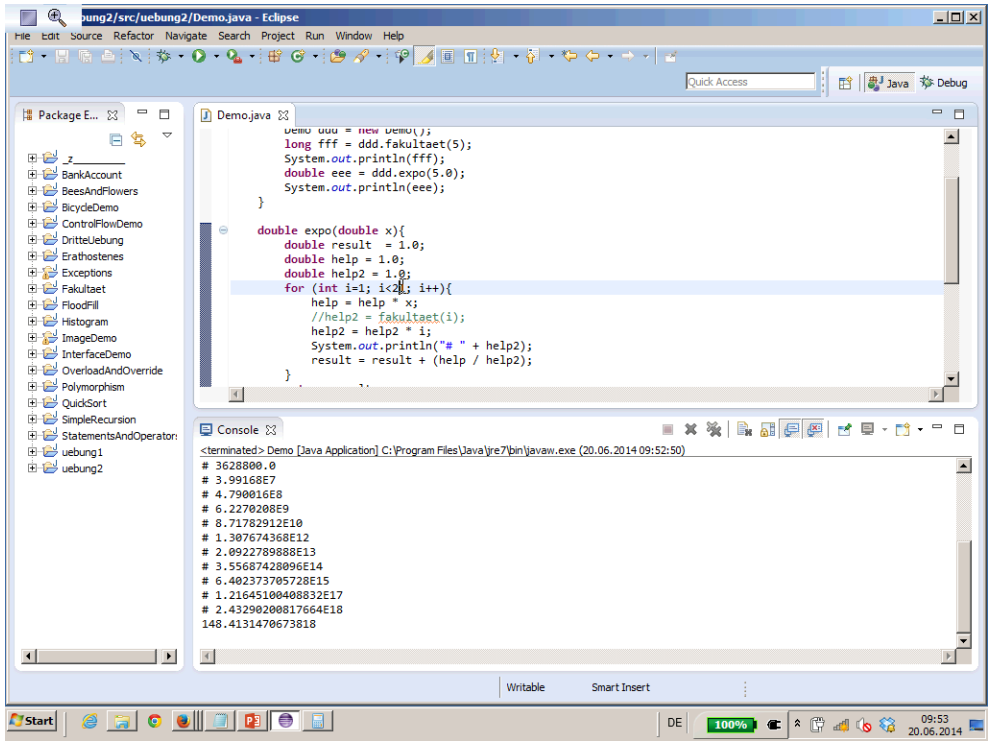
<terminated> Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 09:50:23)
120
1.0
2.0
6.0
24.0
120.0
720.0
5040.0
40320.0
362880.0
3628800.0
146.38060102513225


Demo.java
Console
<terminated> Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 09:50:23)
120
1.0
2.0
6.0
24.0
120.0
720.0
5040.0
40320.0
362880.0
3628800.0
146.38060102513225


Rechner
Ansicht Bearbeiten ?
powe(5)
148,413159102576603421115580040 55
Deg Rad Grad
Demo.java
long fff = ddd.fakultaet(5);
System.out.println(fff);
double eee = ddd.expo(5.0);
System.out.println(eee);
double expo(double x){
double result = 1.0;
double help = 1.0;
double help2 = 1.0;
for (int i=1; i<21; i++){
help = help * x;
//help2 = fakultaet(i);
help2 = help2 * i;
System.out.println("# " + help2);
result = result + (help / help2);
Console
<terminated> Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 09:52:50)
3628800.0
3.99168E7
4.790016E8
6.2270208E9
8.71782912E10
1.307674368E12
2.0922789888E13
3.55687428096E14
6.402373705728E15
1.21645100408832E17
2.43290200817664E18
148.4131470673818


Demo.java
Console
<terminated> Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 09:52:50)
3628800.0
3.99168E7
4.790016E8
6.2270208E9
8.71782912E10
1.307674368E12
2.0922789888E13
3.55687428096E14
6.402373705728E15
1.21645100408832E17
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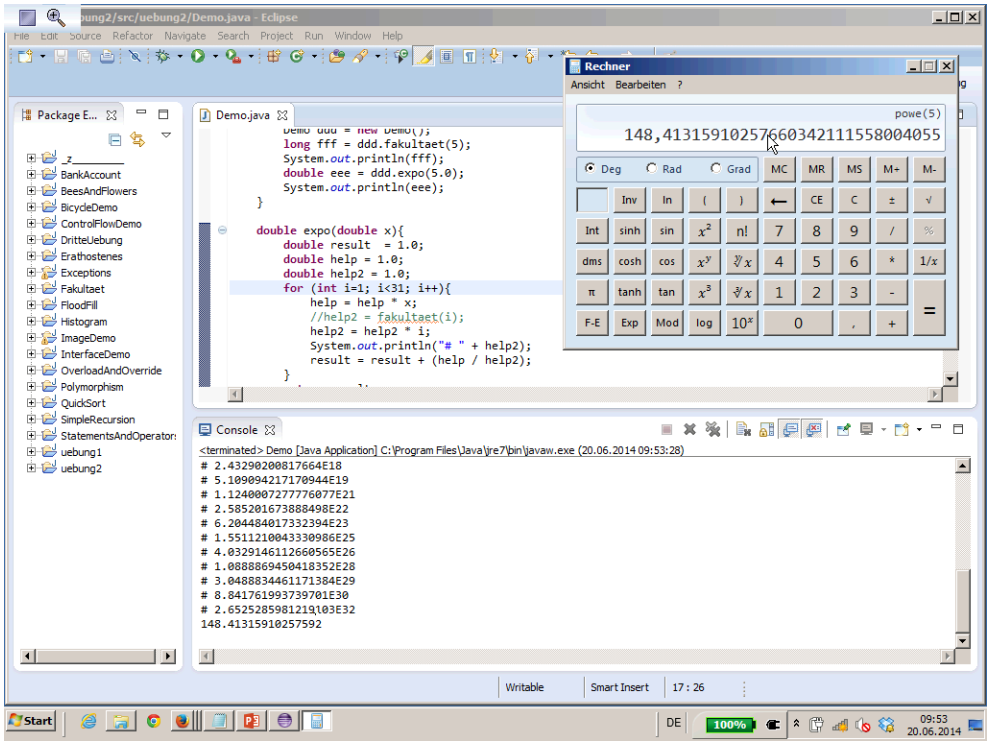
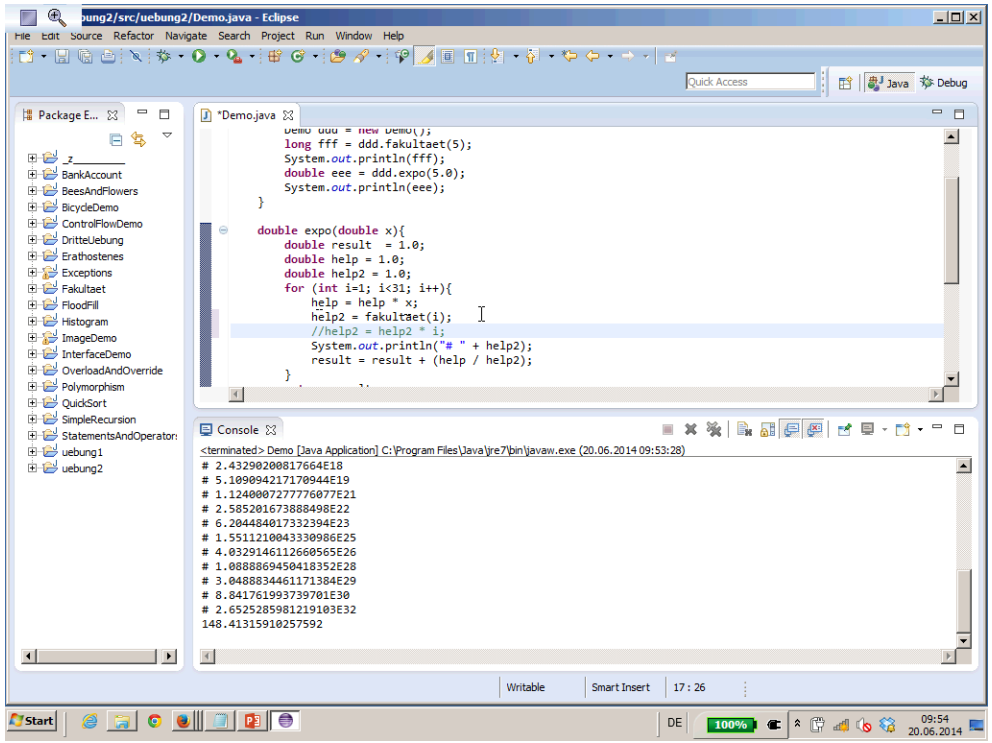
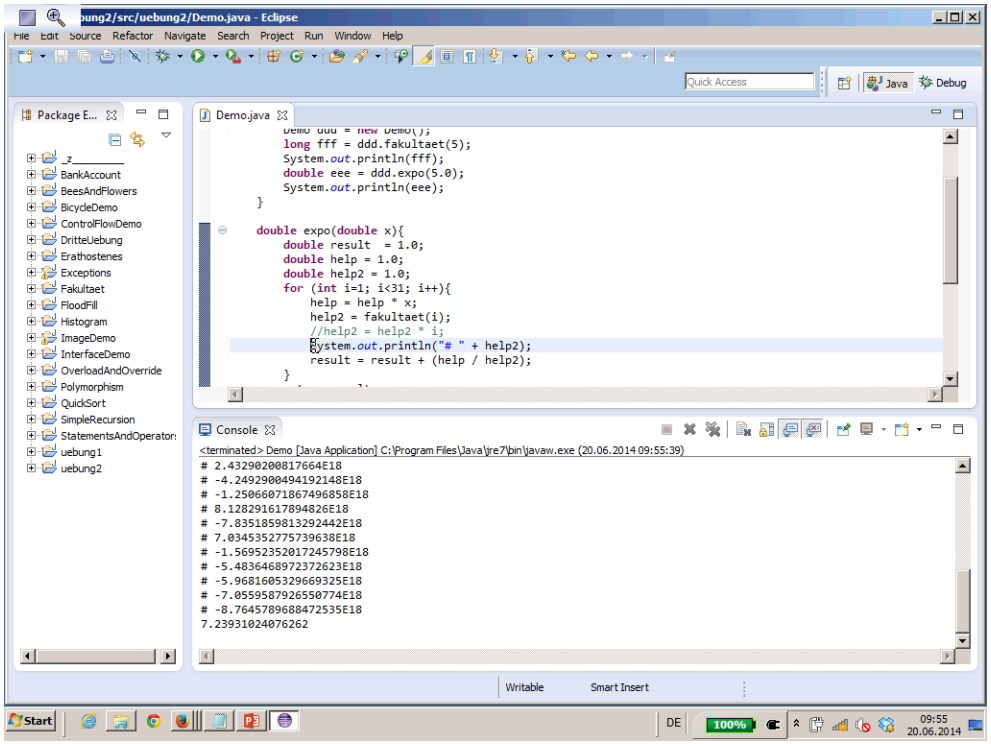
148.4131470673818
Writable
Smart Insert


Rechner
Ansicht Bearbeiten ?
148,413159102576603421115580040 55
Demo.java
Console
<terminated> Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 09:53:28)
2.43290200817664E18
5.109094217170944E19
1.1240007277776077E21
2.585201673888498E22
6.204484017332394E23
1.5511210043330986E25
4.032914611266056 5E26
1.0888869450418352E28
3.048883446117 1384E29
8.84176199373970 1E30
2.6525285981219 103E32
148.41315910257592
Writable
Smart Insert
17 : 26


*Demo.java
Console
<terminated> Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 09:53:28)
2.43290200817664E18
5.109094217170944E19
1.1240007277776077E21
2.585201673888498E22
6.204484017332394E23
1.5511210043330986E25
4.032914611266056 5E26
1.0888869450418352E28
3.048883446117 1384E29
8.84176199373970 1E30
2.6525285981219 103E32
148.41315910257592
Writable
Smart Insert
17 : 26


Demo.java
Console
<terminated> Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 09:55:39)
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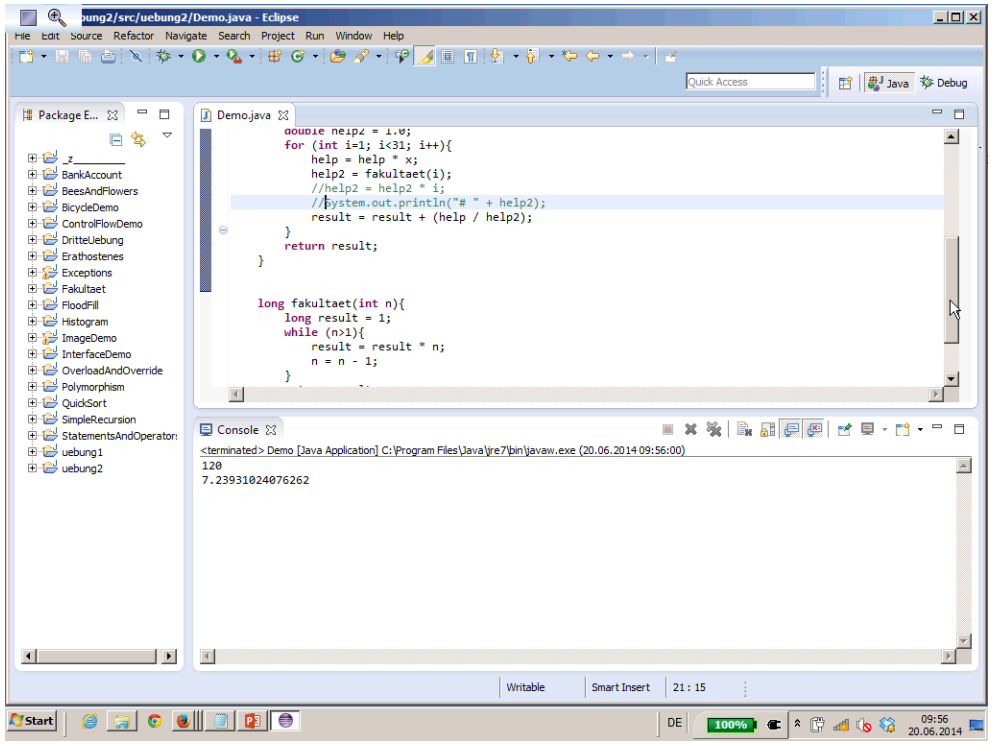
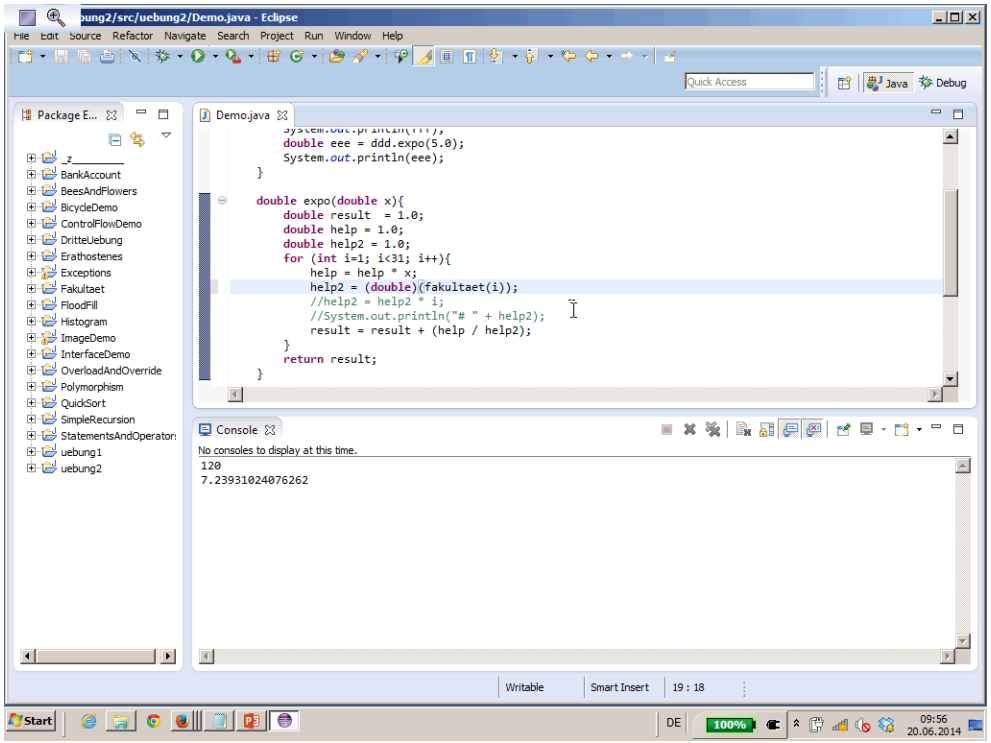
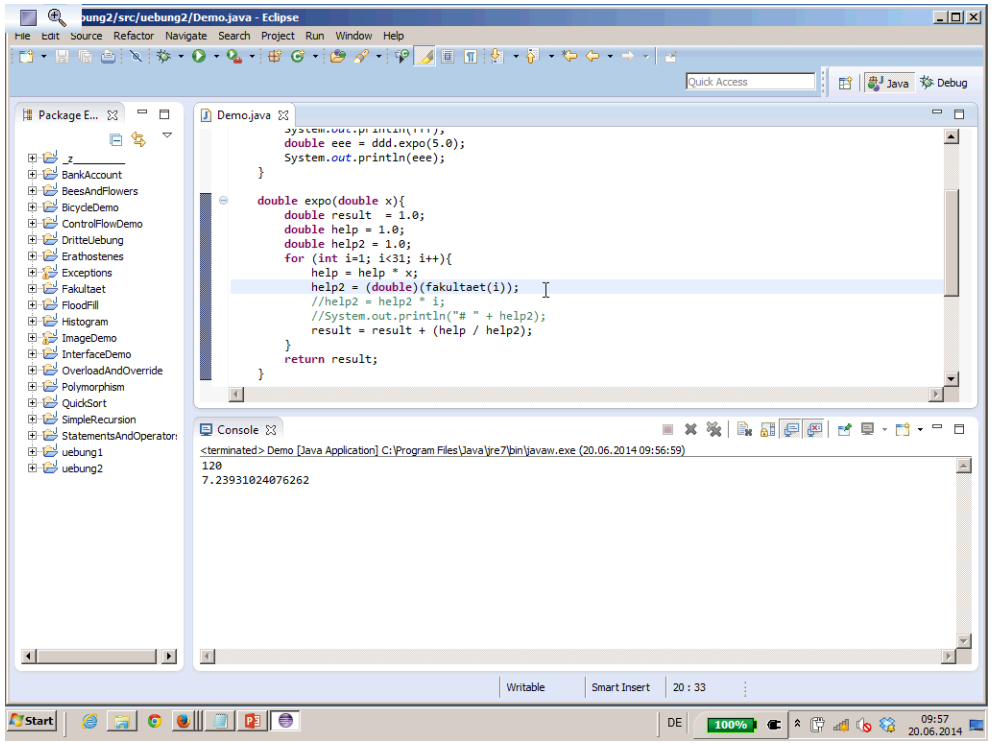
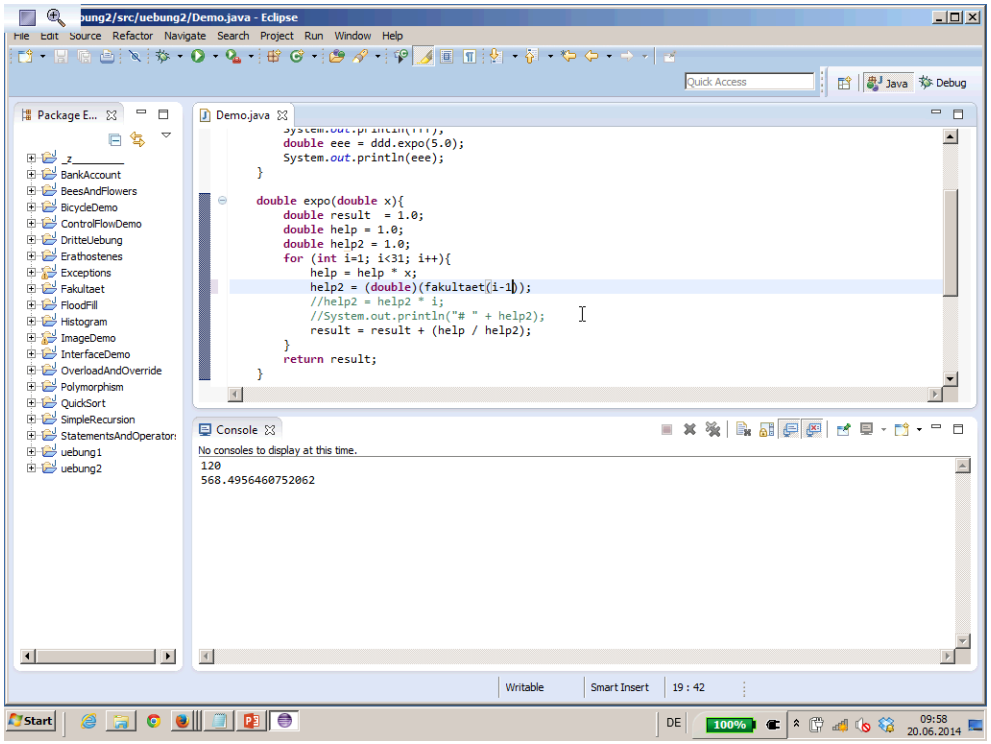
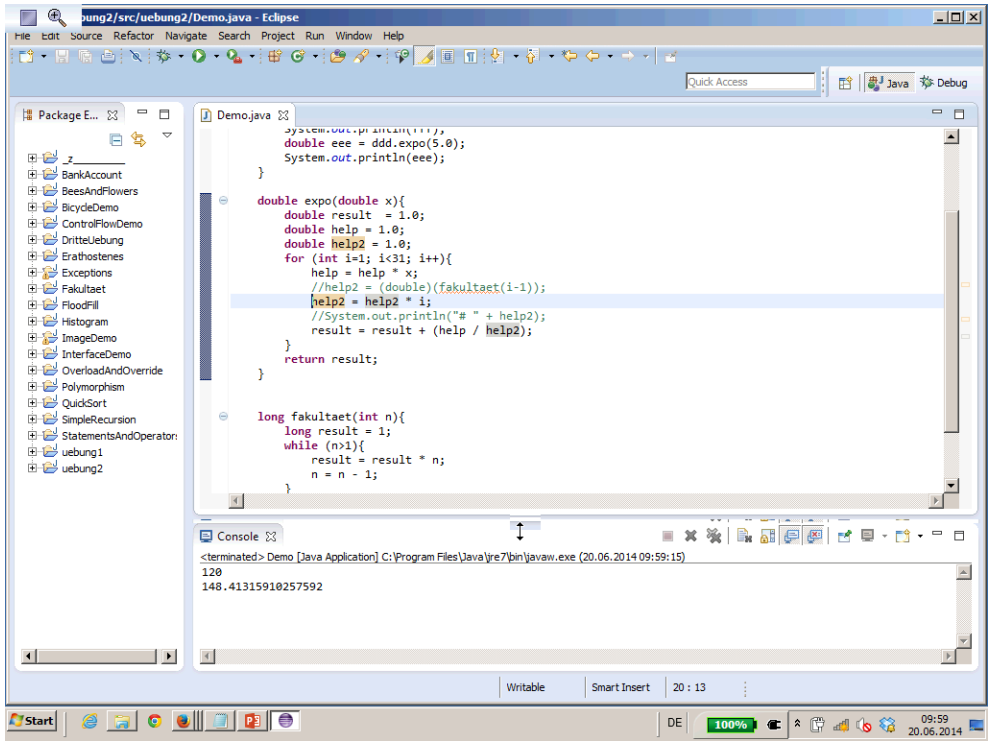
-4.24929004941921 48E18
-1.2506607186749685 8E18
8.1282916178948 26E18
-7.8351859813292442E18
7.0345352775739638E18
-1.5695235201724579 8E18
-5.4836468972372623E18
-5.9681605329669325E18
-7.0559587926550774E18
-8.7645789688472535E18
7.23931024076262
Writable
Smart Insert

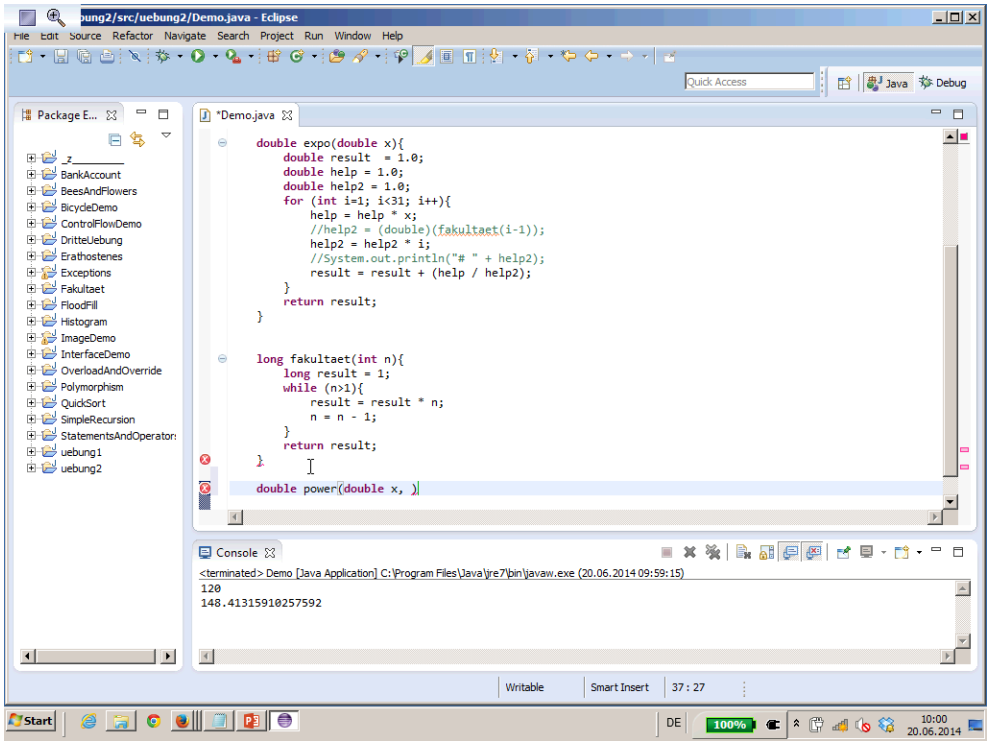

Demo.java
Console
<terminated> Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 09:56:00)
120
7.23931024076262
Writable
Smart Insert
21 : 15

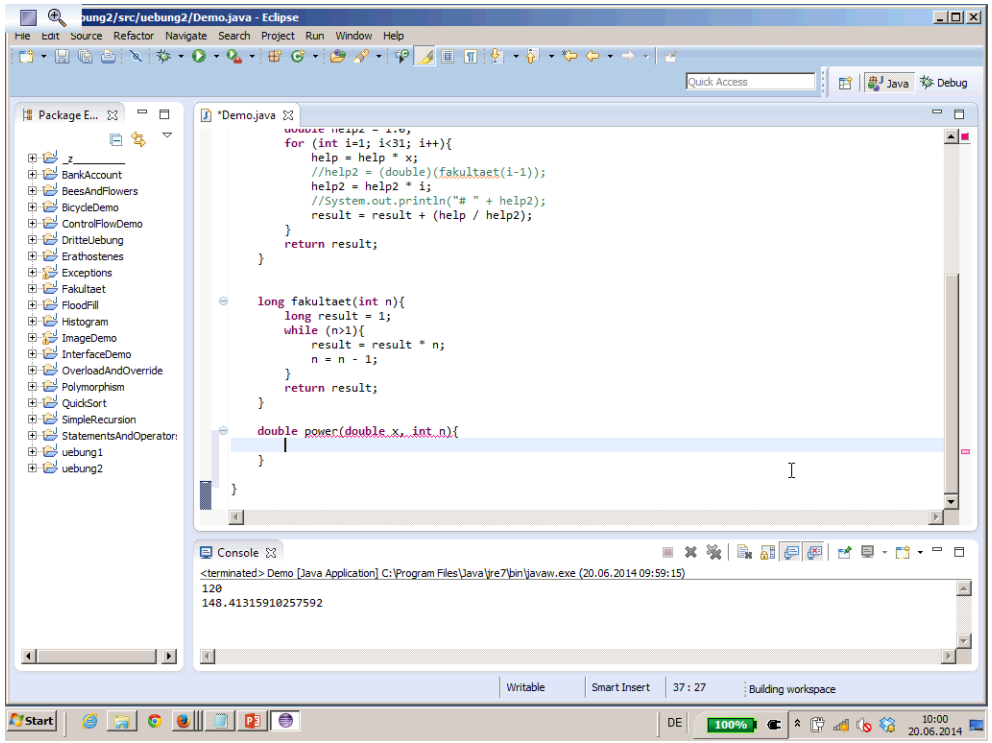

Demo.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Package E...
Demo.java
double eee = ddd.expo(5.0);
System.out.println(eee);
}
double expo(double x){
double result = 1.0;
double help = 1.0;
double help2 = 1.0;
for (int i=1; i<31; i++){
help = help * x;
help2 = (double)(fakultaet(i));
//help2 = help2 * i;
//System.out.println("# " + help2);
result = result + (help / help2);
}
return result;
}
Console
No consoles to display at this time.
120
7.23931024076262
Writable
Smart Insert
19 : 18

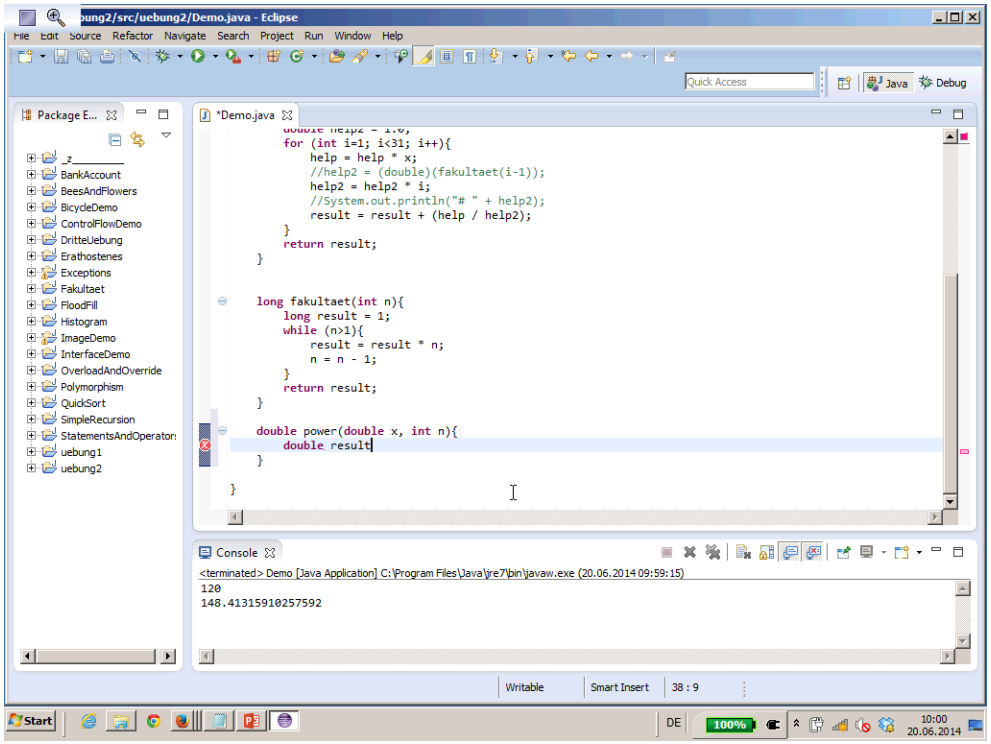

Demo.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Package E...
Demo.java
double eee = ddd.expo(5.0);
System.out.println(eee);
}
double expo(double x){
double result = 1.0;
double help = 1.0;
double help2 = 1.0;
for (int i=1; i<31; i++){
help = help * x;
help2 = (double)(fakultaet(i));
//help2 = help2 * i;
//System.out.println("# " + help2);
result = result + (help / help2);
}
return result;
}
Console
<terminated> Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 09:56:59)
120
7.23931024076262
Writable
Smart Insert
20 : 33

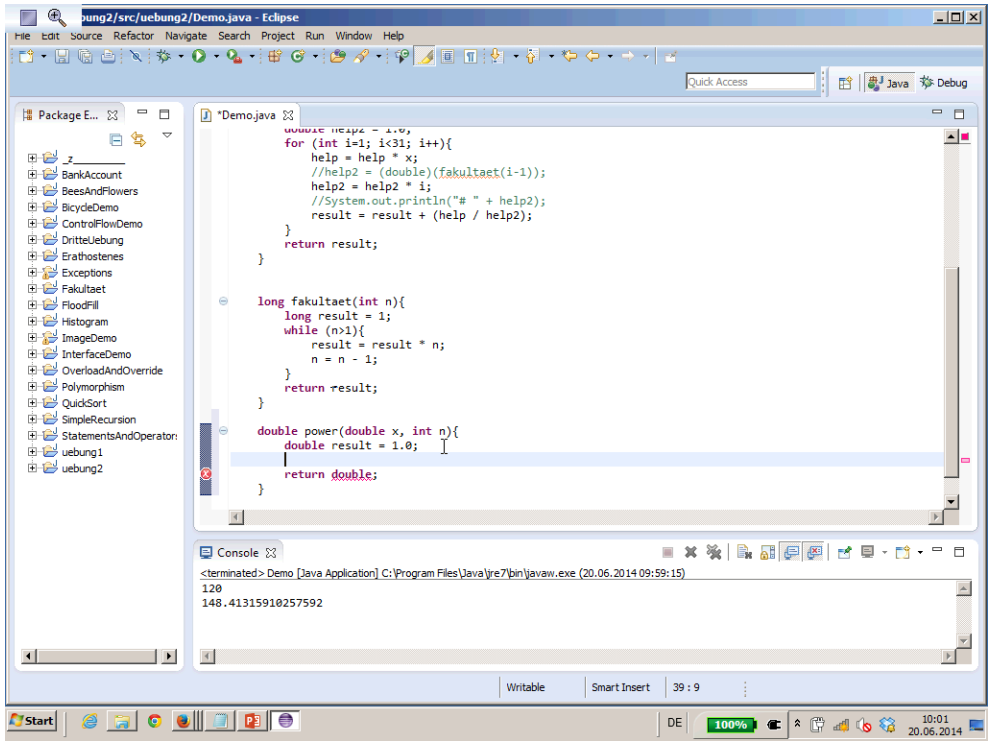

Demo.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Package E...
Demo.java
double eee = ddd.expo(5.0);
System.out.println(eee);
}
double expo(double x){
double result = 1.0;
double help = 1.0;
double help2 = 1.0;
for (int i=1; i<31; i++){
help = help * x;
help2 = (double)(fakultaet(i-1));
//help2 = help2 * i;
//System.out.println("# " + help2);
result = result + (help / help2);
}
return result;
}
Console
No consoles to display at this time.
120
568.4956460752062
Writable
Smart Insert
19 : 42

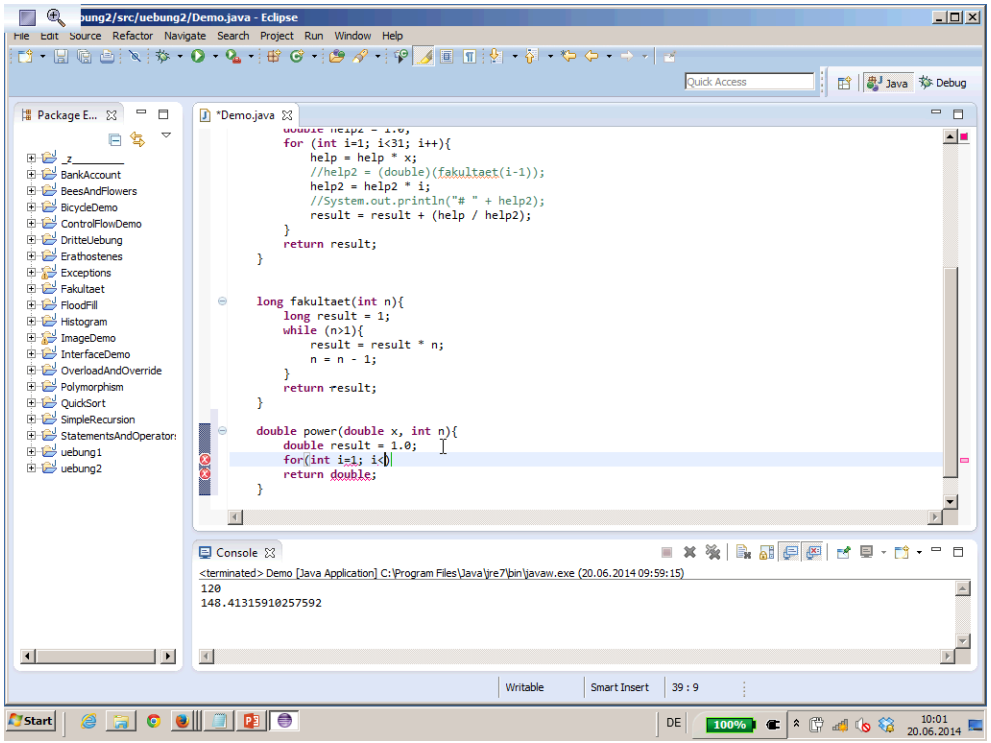

Demo.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Package E...
Demo.java
double eee = ddd.expo(5.0);
System.out.println(eee);
}
double expo(double x){
double result = 1.0;
double help = 1.0;
double help2 = 1.0;
for (int i=1; i<31; i++){
help = help * x;
//help2 = (double)(fakultaet(i-1));
help2 = help2 * i;
//System.out.println("# " + help2);
result = result + (help / help2);
}
return result;
}
long fakultaet(int n){
long result = 1;
while (n>1){
result = result * n;
n = n - 1;
}
Console
<terminated> Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 09:59:15)
120
148.41315910257592
Writable
Smart Insert
20 : 13

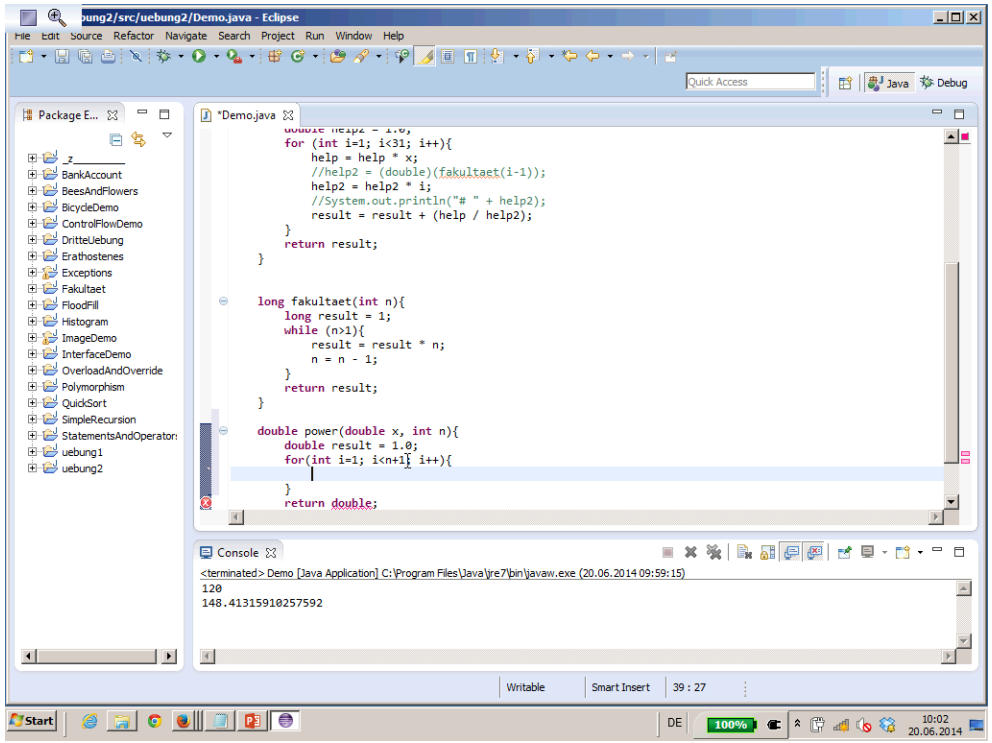

bung2/src/uebung2/Demo.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Java
Debug
Package E...
*Demo.java
_z_____
BankAccount
BeesAndFlowers
BicycleDemo
ControlFlowDemo
DritteUebung
Erathostenes
Exceptions
Fakultaet
FloodFill
Histogram
ImageDemo
InterfaceDemo
OverloadAndOverride
Polymorphism
QuickSort
SimpleRecursion
StatementsAndOperators
uebung1
uebung2
double expo(double x){
double result = 1.0;
double help = 1.0;
double help2 = 1.0;
for (int i=1; i<31; i++){
help = help * x;
//help2 = (double)(fakultaet(i-1));
help2 = help2 * i;
//System.out.println("# " + help2);
result = result + (help / help2);
}
return result;
}
long fakultaet(int n){
long result = 1;
while (n>1){
result = result * n;
n = n - 1;
}
return result;
}
double power(double x,)
Console
<terminated> Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 09:59:15)
120
148.41315910257592
Writable
Smart Insert
37 : 27
Start
DE
100%
10:00
20.06.2014

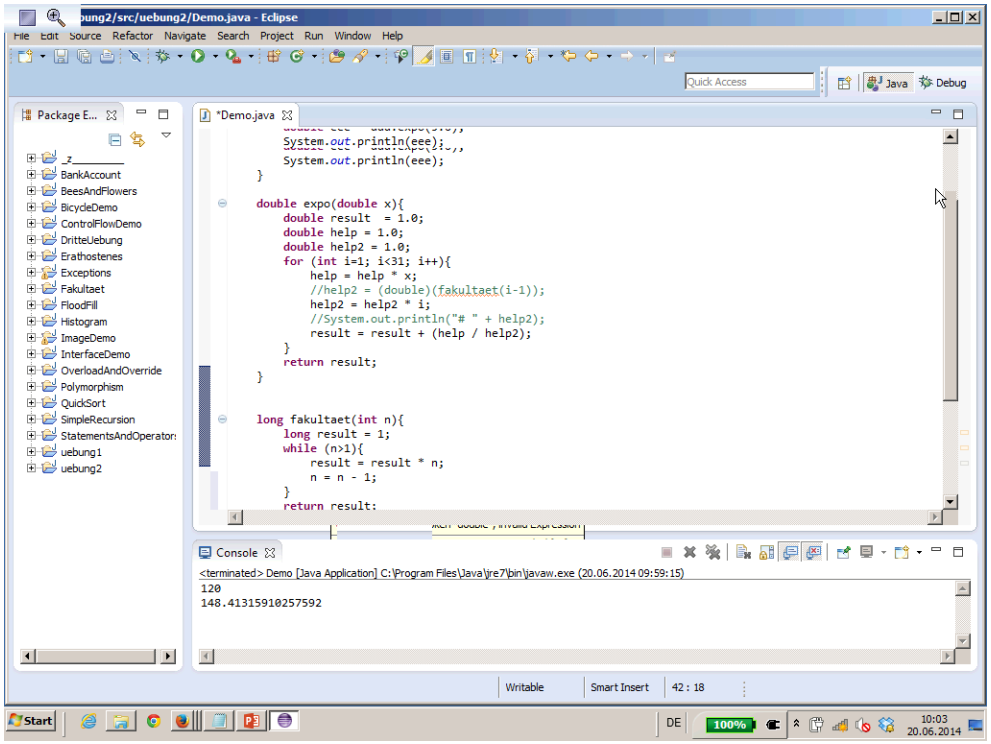

bung2/src/uebung2/Demo.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Java
Debug
Package E...
*Demo.java
_z_____
BankAccount
BeesAndFlowers
BicycleDemo
ControlFlowDemo
DritteUebung
Erathostenes
Exceptions
Fakultaet
FloodFill
Histogram
ImageDemo
InterfaceDemo
OverloadAndOverride
Polymorphism
QuickSort
SimpleRecursion
StatementsAndOperators
uebung1
uebung2
for (int i=1; i<31; i++){
help = help * x;
//help2 = (double)(fakultaet(i-1));
help2 = help2 * i;
//System.out.println("# " + help2);
result = result + (help / help2);
}
return result;
}
long fakultaet(int n){
long result = 1;
while (n>1){
result = result * n;
n = n - 1;
}
return result;
}
double power(double x, int n){
}
}
Console
<terminated> Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 09:59:15)
120
148.41315910257592
Writable
Smart Insert
37 : 27
Building workspace
Start
DE
100%
10:00
20.06.2014

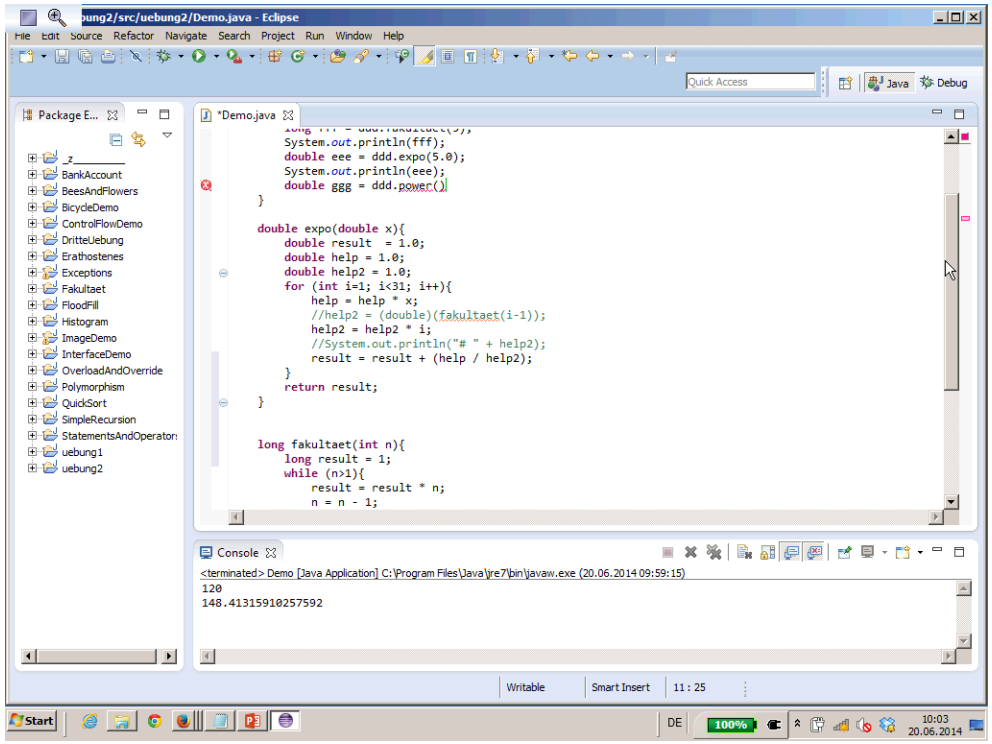

bung2/src/uebung2/Demo.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Java
Debug
Package E...
*Demo.java
_z_____
BankAccount
BeesAndFlowers
BicycleDemo
ControlFlowDemo
DritteUebung
Erathostenes
Exceptions
Fakultaet
FloodFill
Histogram
ImageDemo
InterfaceDemo
OverloadAndOverride
Polymorphism
QuickSort
SimpleRecursion
StatementsAndOperators
uebung1
uebung2
for (int i=1; i<31; i++){
help = help * x;
//help2 = (double)(fakultaet(i-1));
help2 = help2 * i;
//System.out.println("# " + help2);
result = result + (help / help2);
}
return result;
}
long fakultaet(int n){
long result = 1;
while (n>1){
result = result * n;
n = n - 1;
}
return result;
}
double power(double x, int n){
double result
}
}
Console
<terminated> Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 09:59:15)
120
148.41315910257592
Writable
Smart Insert
38 : 9
Start
DE
100%
10:00
20.06.2014

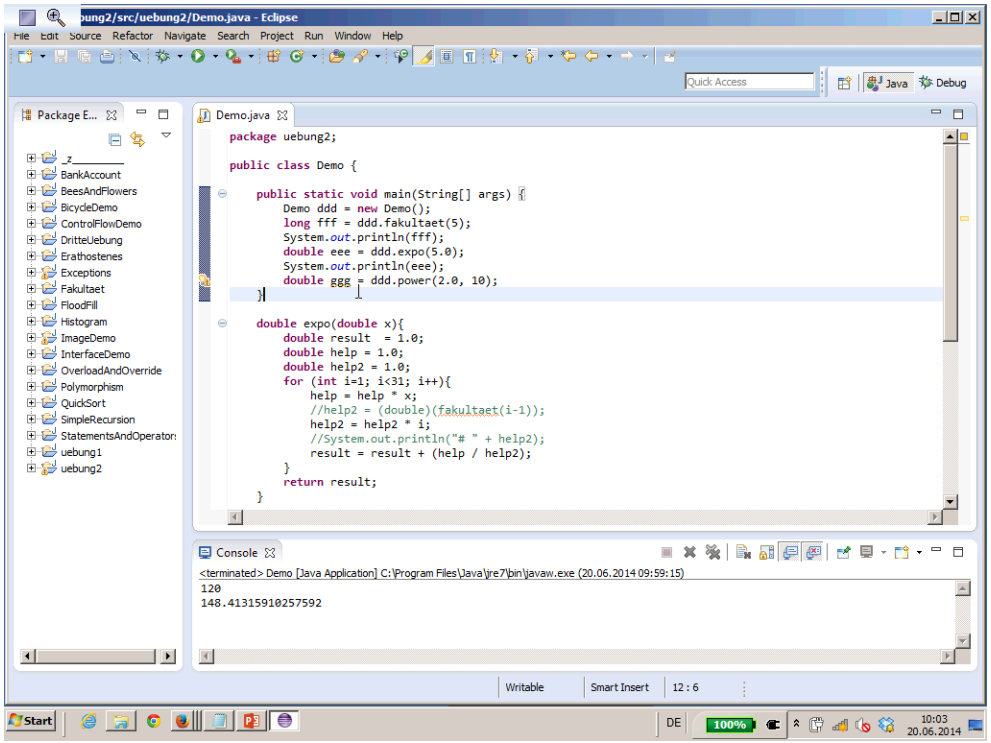

bung2/src/uebung2/Demo.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Java
Debug
Package E...
*Demo.java
_z_____
BankAccount
BeesAndFlowers
BicycleDemo
ControlFlowDemo
DritteUebung
Erathostenes
Exceptions
Fakultaet
FloodFill
Histogram
ImageDemo
InterfaceDemo
OverloadAndOverride
Polymorphism
QuickSort
SimpleRecursion
StatementsAndOperators
uebung1
uebung2
for (int i=1; i<31; i++){
help = help * x;
//help2 = (double)(fakultaet(i-1));
help2 = help2 * i;
//System.out.println("# " + help2);
result = result + (help / help2);
}
return result;
}
long fakultaet(int n){
long result = 1;
while (n>1){
result = result * n;
n = n - 1;
}
return result;
}
double power(double x, int n){
double result = 1.0;
return double;
}
Console
<terminated> Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 09:59:15)
120
148.41315910257592
Writable
Smart Insert
39 : 9
Start
DE
100%
10:01
20.06.2014

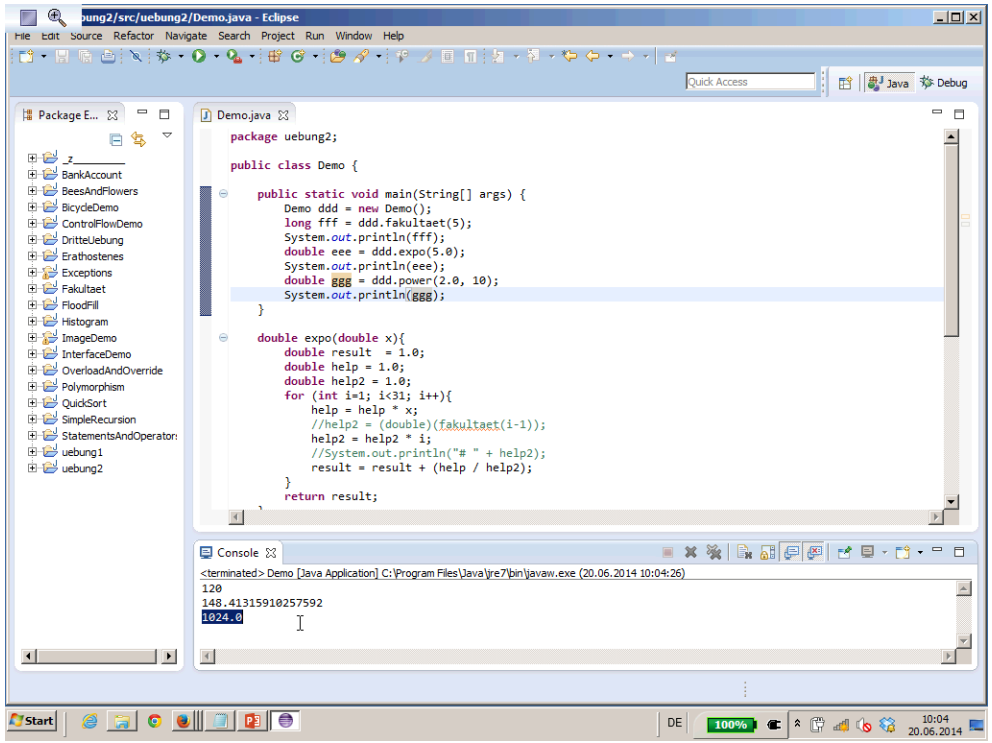

bung2/src/uebung2/Demo.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Java
Debug
Package E...
*Demo.java
_z_____
BankAccount
BeesAndFlowers
BicycleDemo
ControlFlowDemo
DritteUebung
Erathostenes
Exceptions
Fakultaet
FloodFill
Histogram
ImageDemo
InterfaceDemo
OverloadAndOverride
Polymorphism
QuickSort
SimpleRecursion
StatementsAndOperators
uebung1
uebung2
for (int i=1; i<31; i++){
help = help * x;
//help2 = (double)(fakultaet(i-1));
help2 = help2 * i;
//System.out.println("# " + help2);
result = result + (help / help2);
}
return result;
}
long fakultaet(int n){
long result = 1;
while (n>1){
result = result * n;
n = n - 1;
}
return result;
}
double power(double x, int n){
double result = 1.0;
for(int i=1; i<
return double;
}
Console
<terminated> Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 09:59:15)
120
148.41315910257592
Writable
Smart Insert
39 : 9
Start
DE
100%
10:01
20.06.2014

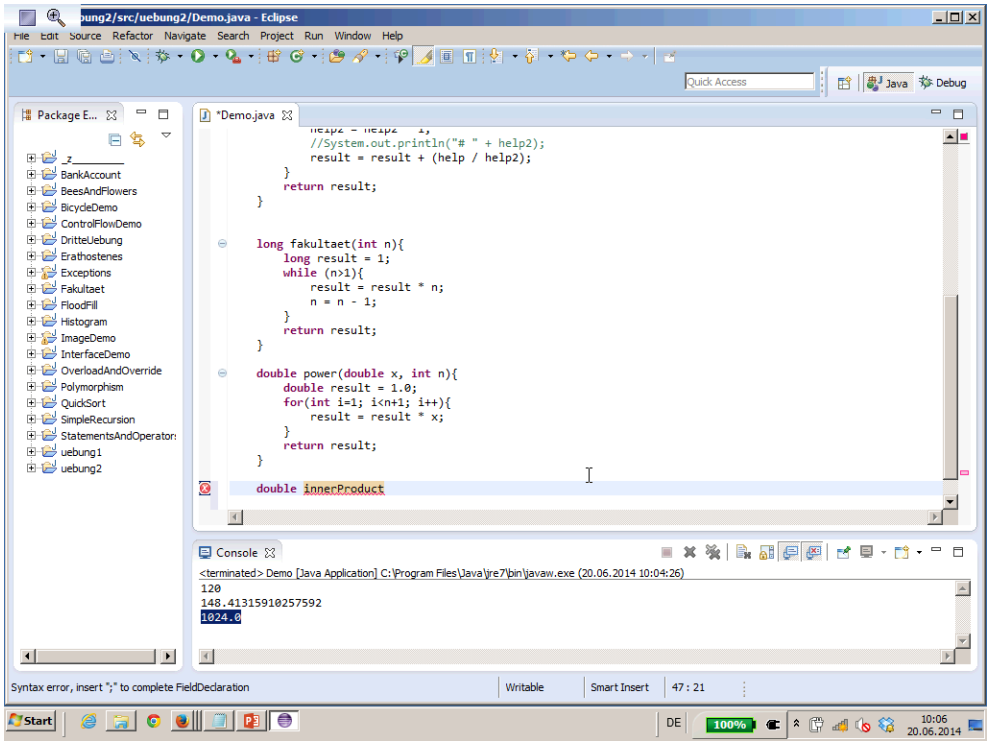

bung2/src/uebung2/Demo.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Java
Debug
Package E...
*Demo.java
_z_____
BankAccount
BeesAndFlowers
BicycleDemo
ControlFlowDemo
DritteUebung
Erathostenes
Exceptions
Fakultaet
FloodFill
Histogram
ImageDemo
InterfaceDemo
OverloadAndOverride
Polymorphism
QuickSort
SimpleRecursion
StatementsAndOperators
uebung1
uebung2
for (int i=1; i<31; i++){
help = help * x;
//help2 = (double)(fakultaet(i-1));
help2 = help2 * i;
//System.out.println("# " + help2);
result = result + (help / help2);
}
return result;
}
long fakultaet(int n){
long result = 1;
while (n>1){
result = result * n;
n = n - 1;
}
return result;
}
double power(double x, int n){
double result = 1.0;
for(int i=1; i<n+1; i++){
}
return double;
Console
<terminated> Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 09:59:15)
120
148.41315910257592
Writable
Smart Insert
39 : 27
Start
DE
100%
10:02
20.06.2014

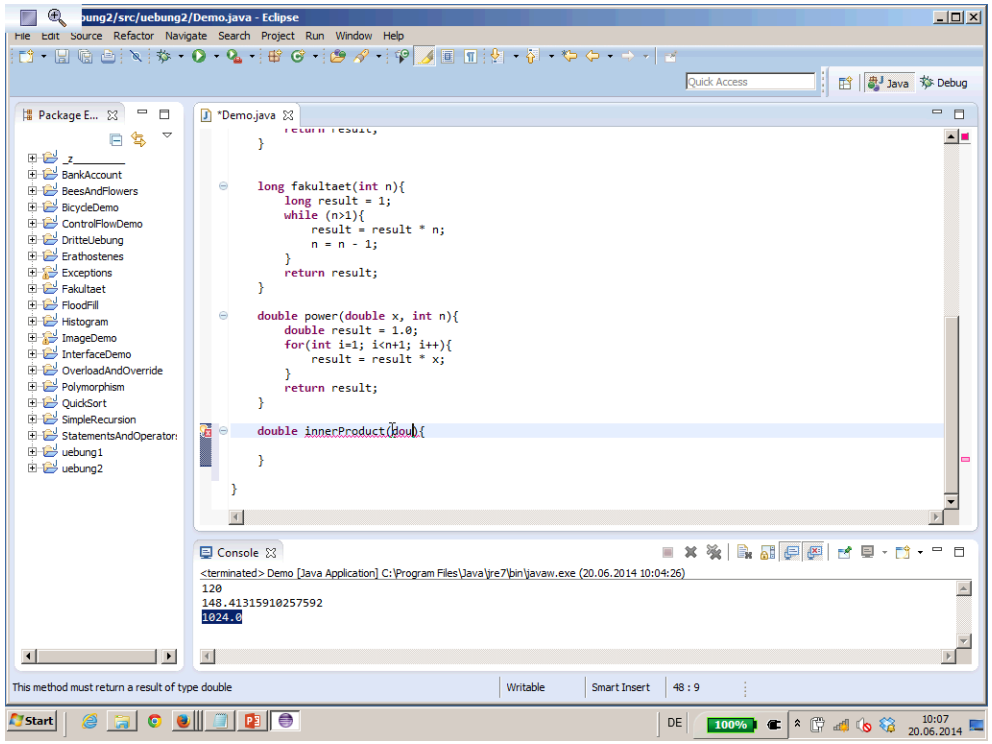

bung2/src/uebung2/Demo.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Java
Debug
Package E...
*Demo.java
System.out.println(eee);
System.out.println(eee);
}
double expo(double x){
double result = 1.0;
double help = 1.0;
double help2 = 1.0;
for (int i=1; i<31; i++){
help = help * x;
//help2 = (double)(fakultaet(i-1));
help2 = help2 * i;
//System.out.println("# " + help2);
result = result + (help / help2);
}
return result;
}
long fakultaet(int n){
long result = 1;
while (n>1){
result = result * n;
n = n - 1;
}
return result;
Console
<terminated> Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 09:59:15)
120
148.41315910257592
Writable
Smart Insert
42 : 18
Start
DE
100%
10:03
20.06.2014

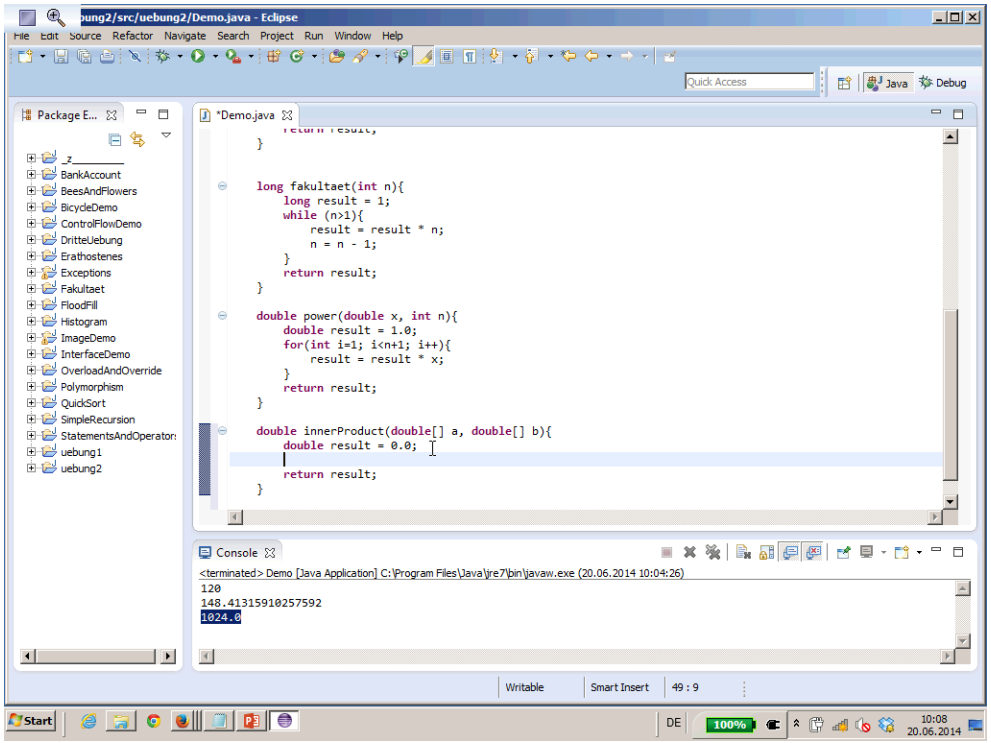

bung2/src/uebung2/Demo.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Java
Debug
Package E...
*Demo.java
System.out.println(fff);
double eee = ddd.expo(5.0);
System.out.println(eee);
double ggg = ddd.power()
}
double expo(double x){
double result = 1.0;
double help = 1.0;
double help2 = 1.0;
for (int i=1; i<31; i++){
help = help * x;
//help2 = (double)(fakultaet(i-1));
help2 = help2 * i;
//System.out.println("# " + help2);
result = result + (help / help2);
}
return result;
}
long fakultaet(int n){
long result = 1;
while (n>1){
result = result * n;
n = n - 1;
Console
<terminated> Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 09:59:15)
120
148.41315910257592
Writable
Smart Insert
11 : 25
Start
DE
100%
10:03
20.06.2014


ung2/src/uebung2/Demo.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Java
Debug
Package E...
Demo.java
package uebung2;
public class Demo {
public static void main(String[] args) {
Demo ddd = new Demo();
long fff = ddd.fakultaet(5);
System.out.println(fff);
double eee = ddd.expo(5.0);
System.out.println(eee);
double ggg = ddd.power(2.0, 10);
}
double expo(double x){
double result = 1.0;
double help = 1.0;
double help2 = 1.0;
for (int i=1; i<31; i++){
help = help * x;
//help2 = (double)(fakultaet(i-1));
help2 = help2 * i;
//System.out.println("# " + help2);
result = result + (help / help2);
}
return result;
}
BankAccount
BeesAndFlowers
BicycleDemo
ControlFlowDemo
DritteUebung
Erathostenes
Exceptions
Fakultaet
FloodFill
Histogram
ImageDemo
InterfaceDemo
OverloadAndOverride
Polymorphism
QuickSort
SimpleRecursion
StatementsAndOperators
uebung1
uebung2
Console
<terminated> Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 09:59:15)
120
148.41315910257592
Writable
Smart Insert
12 : 6
Start
DE
100%
10:03
20.06.2014


ung2/src/uebung2/Demo.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Java
Debug
Package E...
Demo.java
package uebung2;
public class Demo {
public static void main(String[] args) {
Demo ddd = new Demo();
long fff = ddd.fakultaet(5);
System.out.println(fff);
double eee = ddd.expo(5.0);
System.out.println(eee);
double ggg = ddd.power(2.0, 10);
System.out.println(ggg);
}
double expo(double x){
double result = 1.0;
double help = 1.0;
double help2 = 1.0;
for (int i=1; i<31; i++){
help = help * x;
//help2 = (double)(fakultaet(i-1));
help2 = help2 * i;
//System.out.println("# " + help2);
result = result + (help / help2);
}
return result;
BankAccount
BeesAndFlowers
BicycleDemo
ControlFlowDemo
DritteUebung
Erathostenes
Exceptions
Fakultaet
FloodFill
Histogram
ImageDemo
InterfaceDemo
OverloadAndOverride
Polymorphism
QuickSort
SimpleRecursion
StatementsAndOperators
uebung1
uebung2
Console
<terminated> Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 10:04:26)
120
148.41315910257592
1024.0
DE
100%
10:04
20.06.2014


ung2/src/uebung2/Demo.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Java
Debug
Package E...
*Demo.java
//System.out.println("# " + help2);
result = result + (help / help2);
}
return result;
}
long fakultaet(int n){
long result = 1;
while (n>1){
result = result * n;
n = n - 1;
}
return result;
}
double power(double x, int n){
double result = 1.0;
for(int i=1; i<n+1; i++){
result = result * x;
}
return result;
}
double innerProduct
BankAccount
BeesAndFlowers
BicycleDemo
ControlFlowDemo
DritteUebung
Erathostenes
Exceptions
Fakultaet
FloodFill
Histogram
ImageDemo
InterfaceDemo
OverloadAndOverride
Polymorphism
QuickSort
SimpleRecursion
StatementsAndOperators
uebung1
uebung2
Console
<terminated> Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 10:04:26)
120
148.41315910257592
1024.0
Syntax error, insert ";" to complete FieldDeclaration
Writable
Smart Insert
47 : 21
Start
DE
100%
10:06
20.06.2014


ung2/src/uebung2/Demo.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Java
Debug
Package E...
*Demo.java
}
long fakultaet(int n){
long result = 1;
while (n>1){
result = result * n;
n = n - 1;
}
return result;
}
double power(double x, int n){
double result = 1.0;
for(int i=1; i<n+1; i++){
result = result * x;
}
return result;
}
double innerProduct(doub){
}
}
BankAccount
BeesAndFlowers
BicycleDemo
ControlFlowDemo
DritteUebung
Erathostenes
Exceptions
Fakultaet
FloodFill
Histogram
ImageDemo
InterfaceDemo
OverloadAndOverride
Polymorphism
QuickSort
SimpleRecursion
StatementsAndOperators
uebung1
uebung2
Console
<terminated> Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 10:04:26)
120
148.41315910257592
1024.0
This method must return a result of type double
Writable
Smart Insert
48 : 9
Start
DE
100%
10:07
20.06.2014


bung2/src/uebung2/Demo.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Java
Debug
Package E...
*Demo.java
_z_____
BankAccount
BeesAndFlowers
BicycleDemo
ControlFlowDemo
DritteUebung
Erathostenes
Exceptions
Fakultaet
FloodFill
Histogram
ImageDemo
InterfaceDemo
OverloadAndOverride
Polymorphism
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StatementsAndOperators
uebung1
uebung2
}
long fakultaet(int n){
long result = 1;
while (n>1){
result = result * n;
n = n - 1;
}
return result;
}
double power(double x, int n){
double result = 1.0;
for(int i=1; i<n+1; i++){
result = result * x;
}
return result;
}
double innerProduct(double[] a, double[] b){
double result = 0.0;
return result;
}
Console
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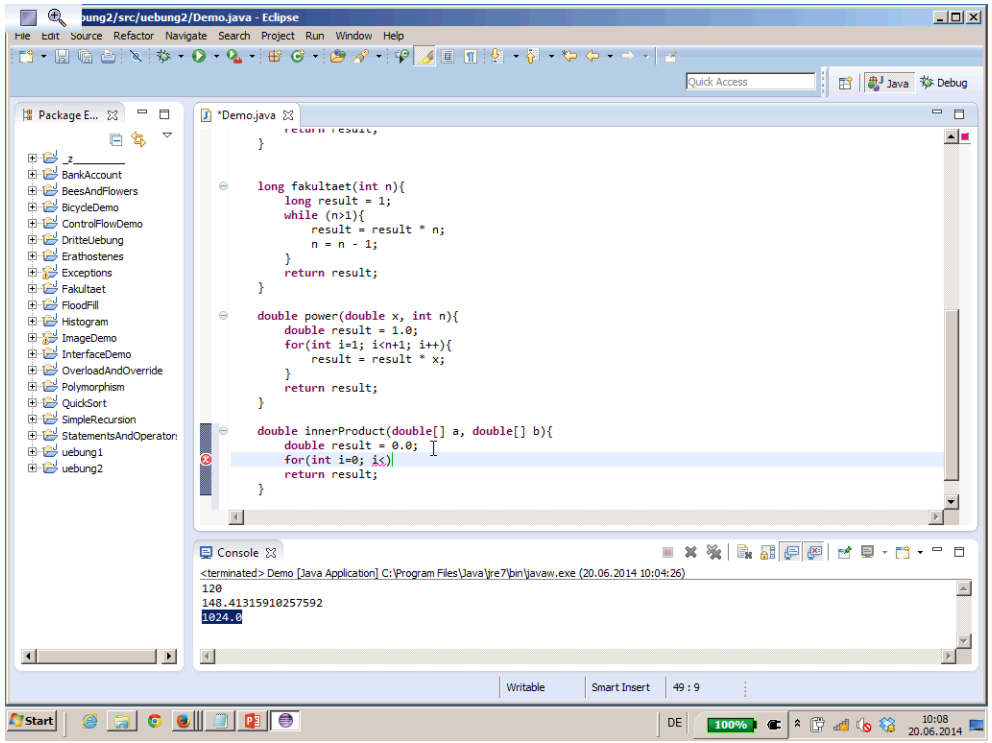
120
148.41315910257592
1024.0
Writable
Smart Insert
49 : 9
Start
DE
100%
10:08
20.06.2014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for(int i=0; i<)
return result;
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148.41315910257592
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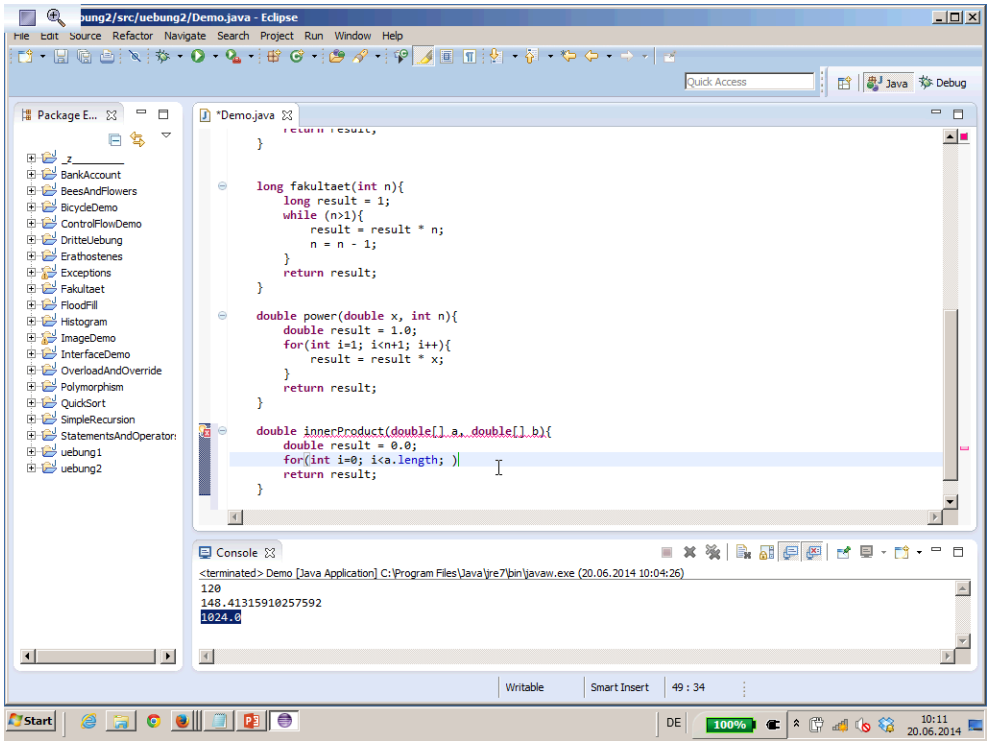
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for(int i=0; i<a.length;)
return result;
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Console
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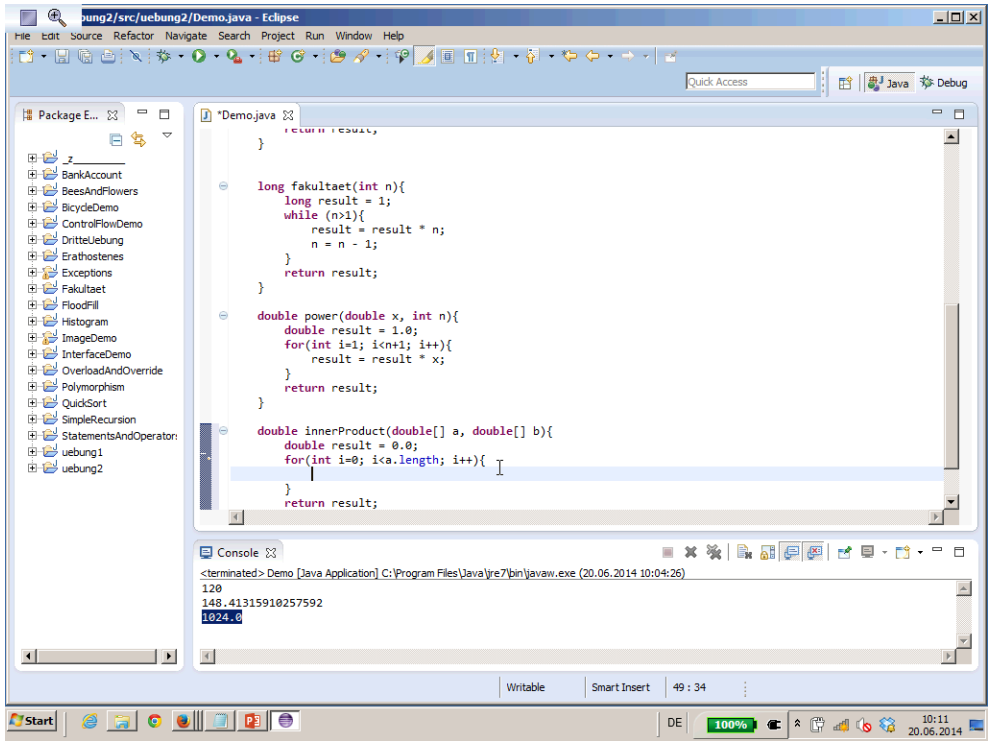
120
148.41315910257592
1024.0
Writable
Smart Insert
49 : 34
Start
DE
100%
10:11
20.06.2014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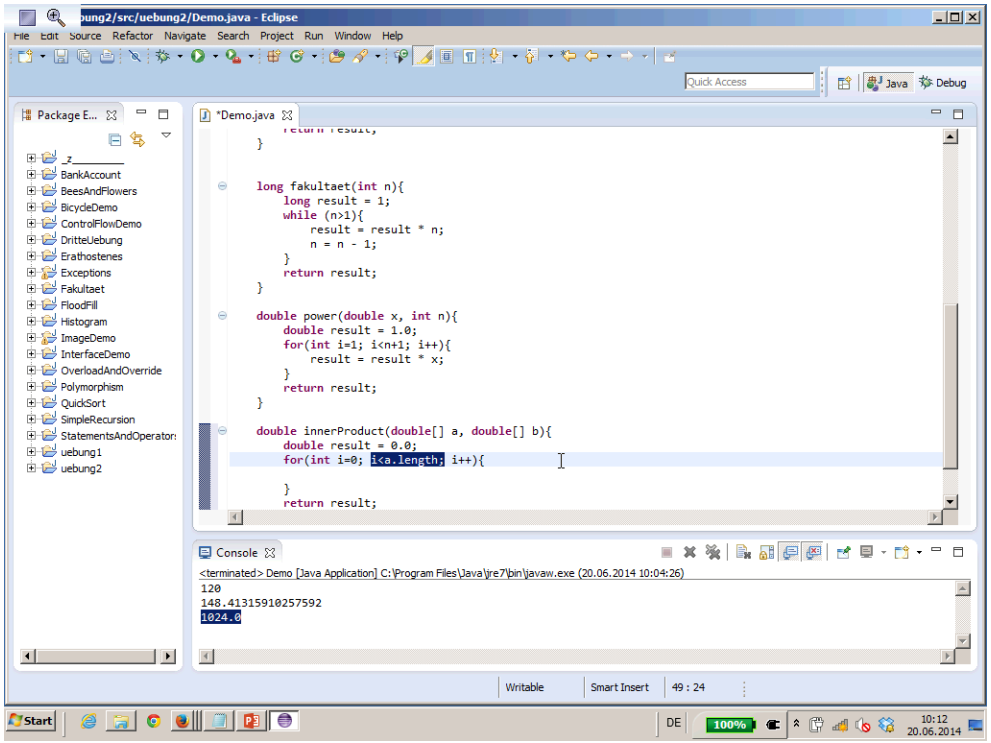
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49 : 24
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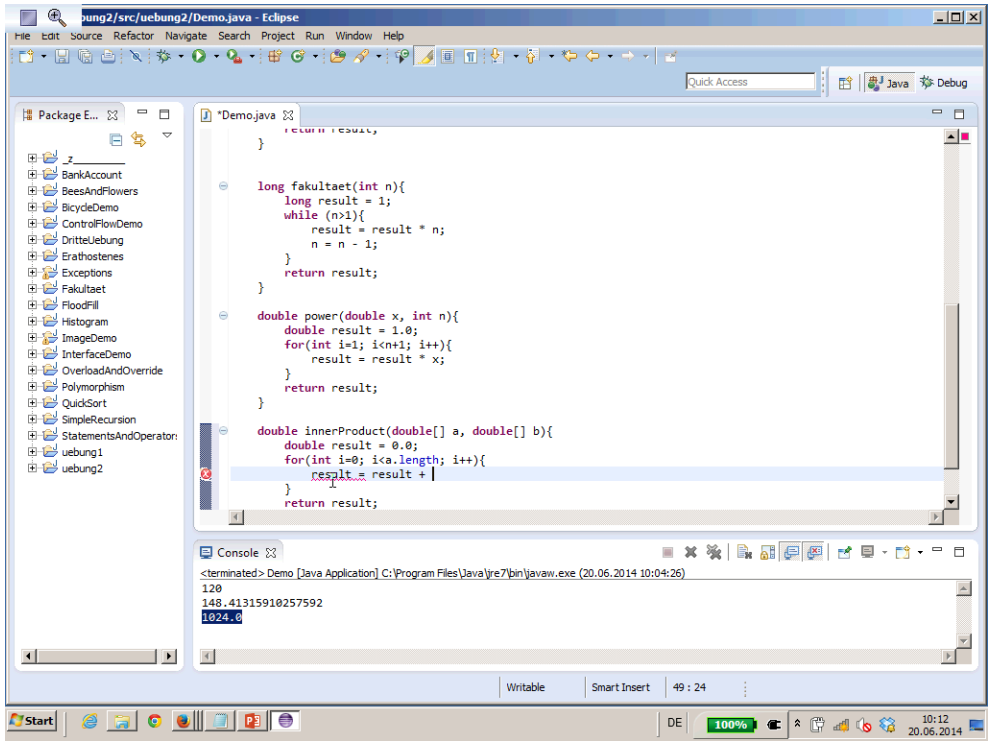
20.06.2014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}
return result;
}
double innerProduct(double[] a, double[] b){
double result = 0.0;
for(int i=0; i<a.length; i++){
result = result +
}
return result;
Console
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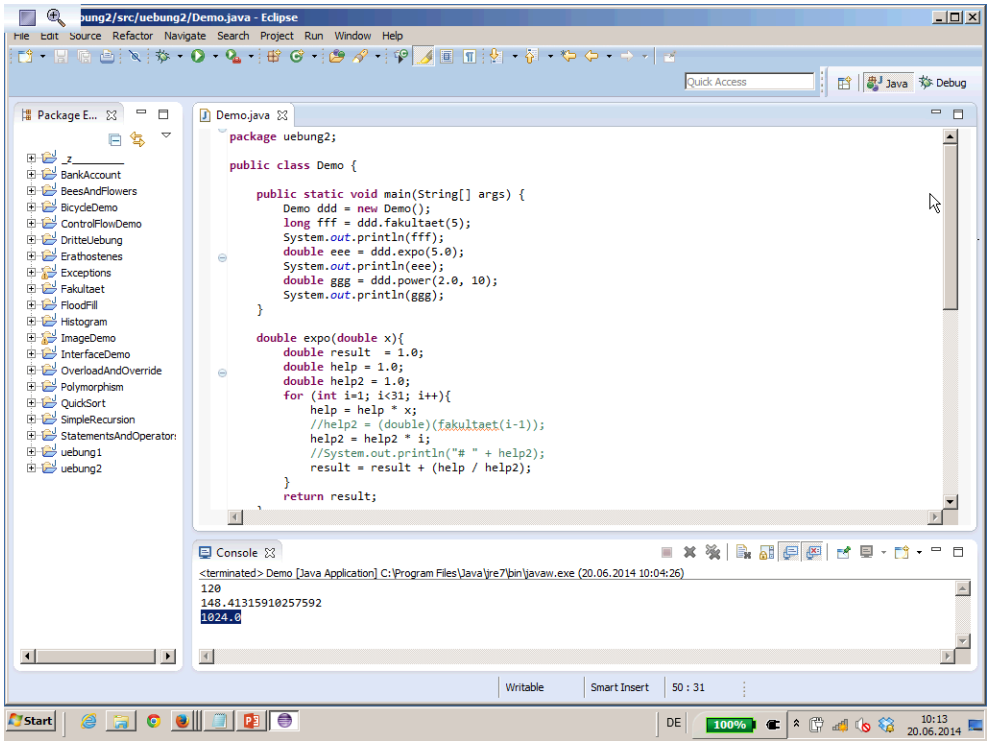
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uebung1
uebung2
package uebung2;
public class Demo {
public static void main(String[] args) {
Demo ddd = new Demo();
long fff = ddd.fakultaet(5);
System.out.println(fff);
double eee = ddd.expo(5.0);
System.out.println(eee);
double ggg = ddd.power(2.0, 10);
System.out.println(ggg);
}
double expo(double x){
double result = 1.0;
double help = 1.0;
double help2 = 1.0;
for (int i=1; i<31; i++){
help = help * x;
//help2 = (double)(fakultaet(i-1));
help2 = help2 * i;
//System.out.println("# " + help2);
result = result + (help / help2);
}
return result;
Console
<terminated> Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 10:04:26)
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148.41315910257592
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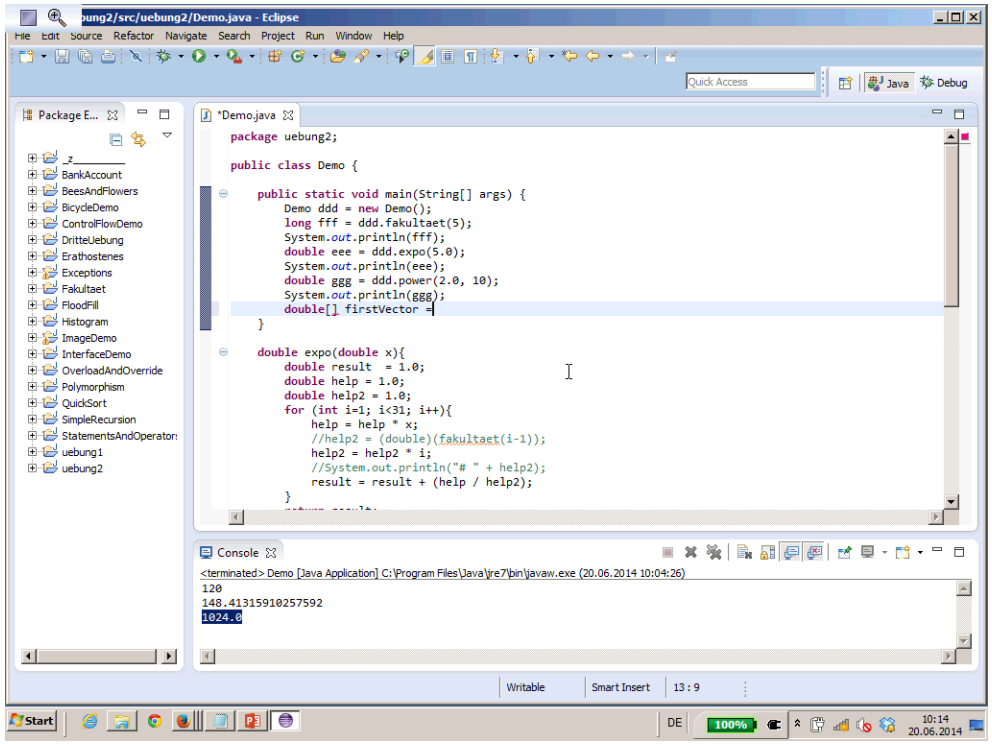
Writable
Smart Insert
50 : 31
Start
DE
100%
10:13
20.06.2014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double[] firstVector =
}
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double help = 1.0;
double help2 = 1.0;
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help = help * x;
//help2 = (double)(fakultaet(i-1));
help2 = help2 * i;
//System.out.println("# " + help2);
result = result + (help / help2);
}
Console
<terminated> Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 10:04:26)
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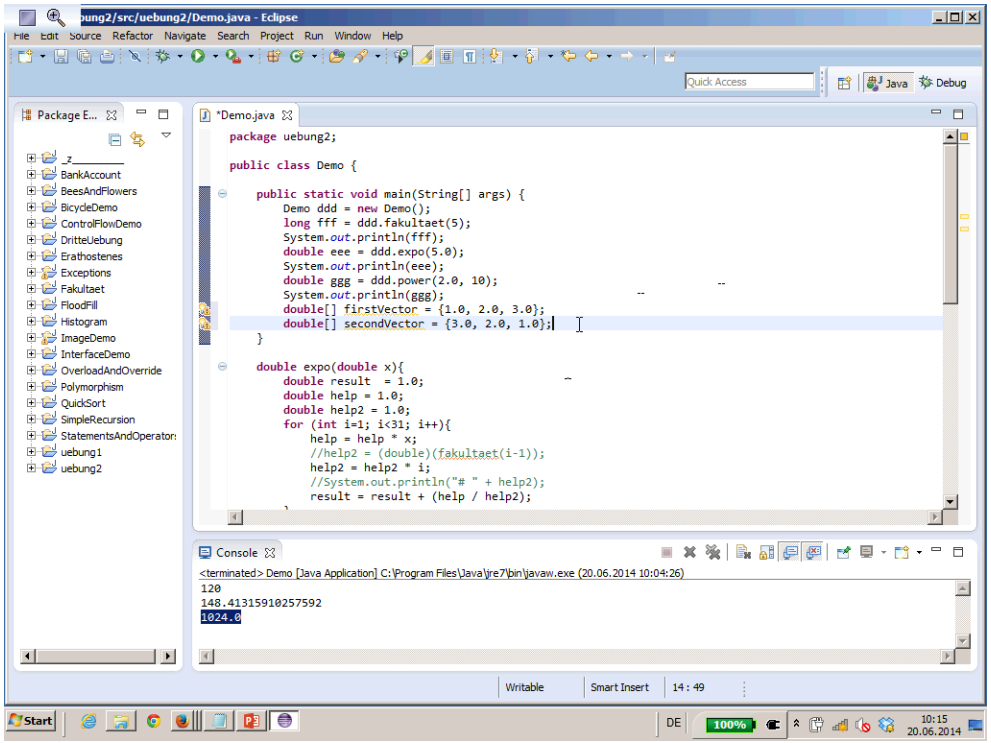
148.41315910257592
1024.0
Writable
Smart Insert
13 : 9
Start
DE
100%
10:14
20.06.2014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Start
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100%
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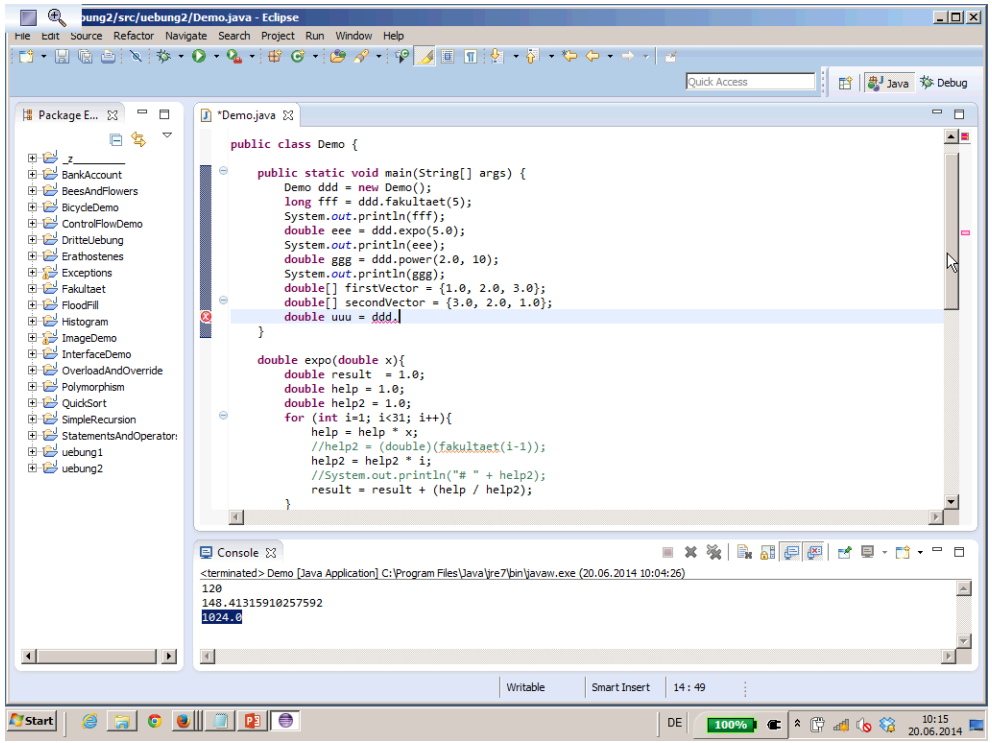
20.06.2014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double uuu = ddd.
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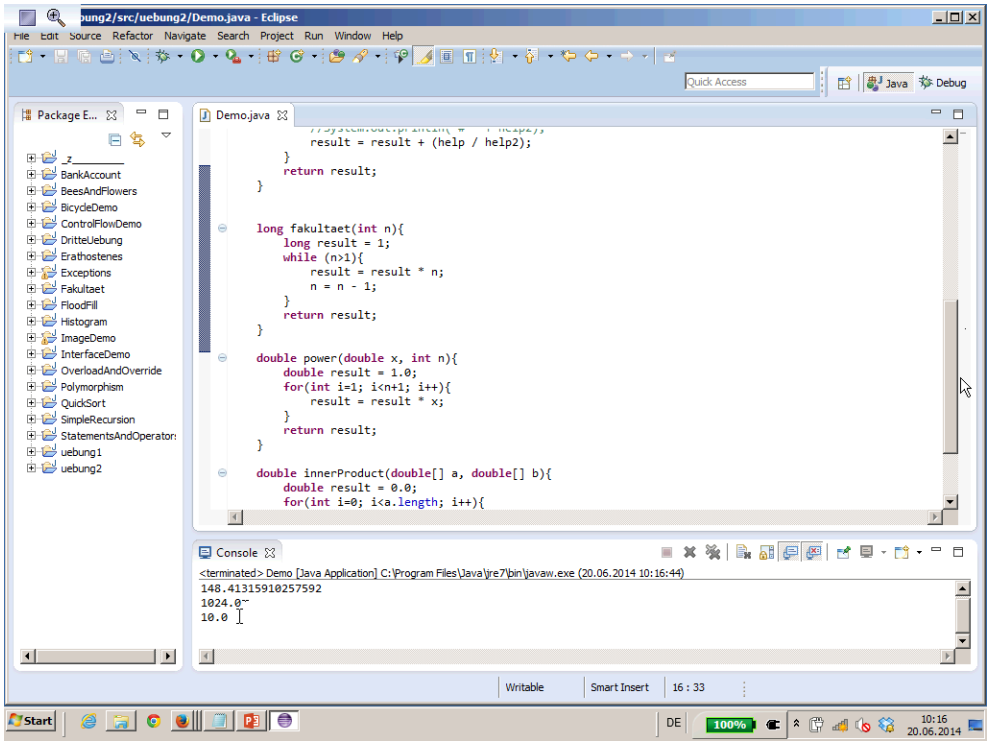
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Console
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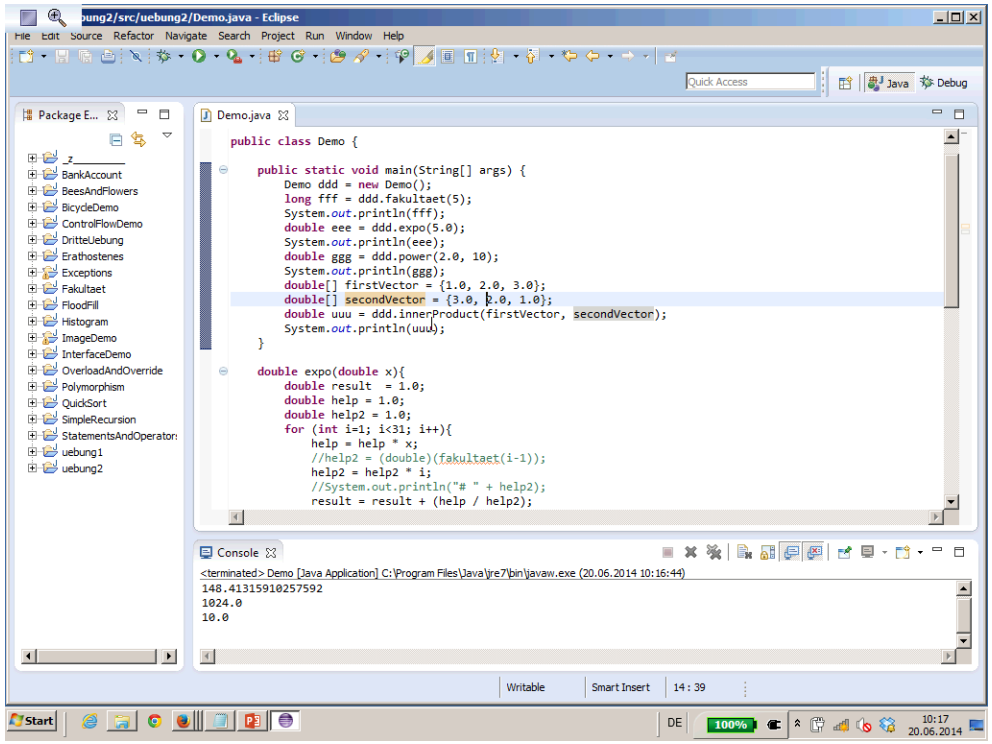
10.0
Writable
Smart Insert
16 : 33
Start
DE
100%
10:16
20.06.2014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double uuu = ddd.innerProduct(firstVector, secondVector);
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14 : 39
Start
DE
100%
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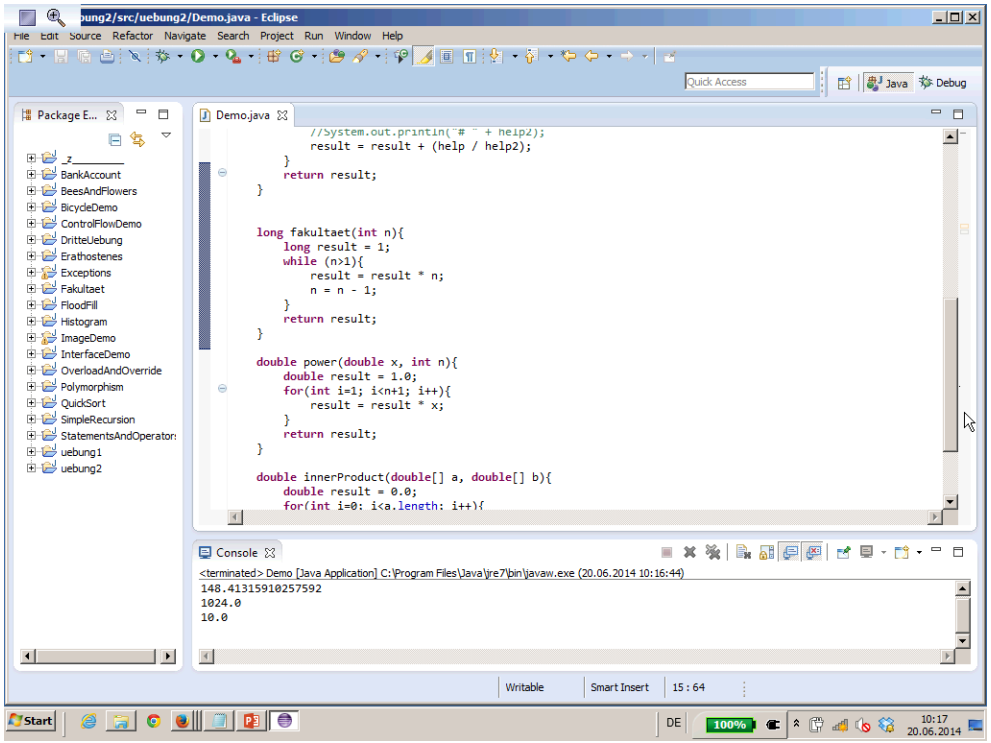
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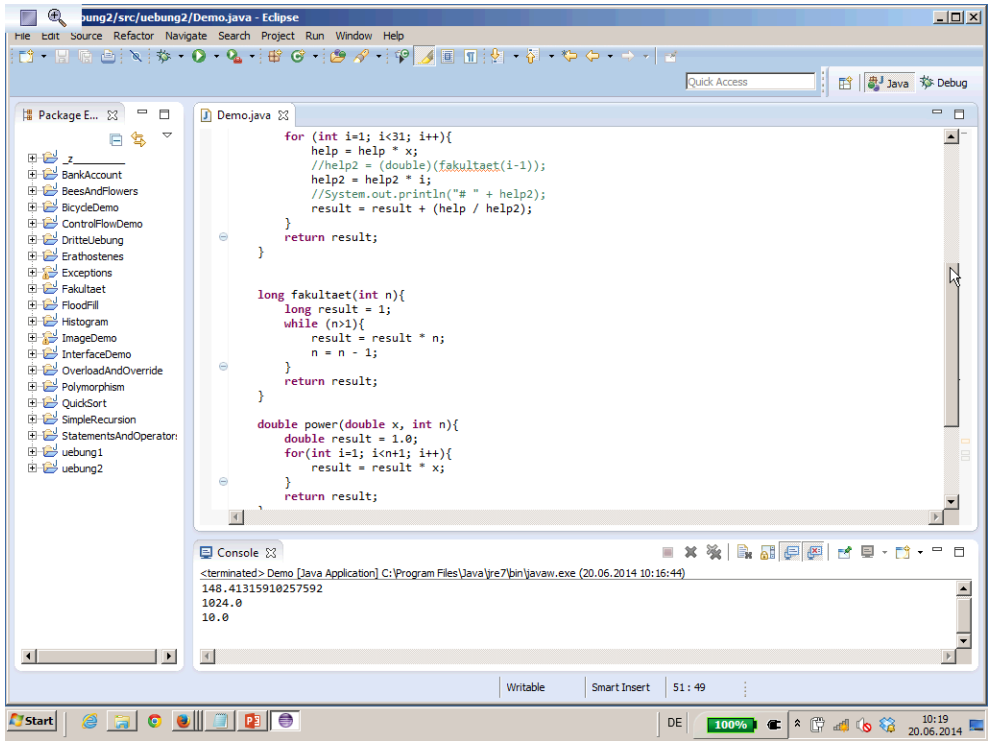
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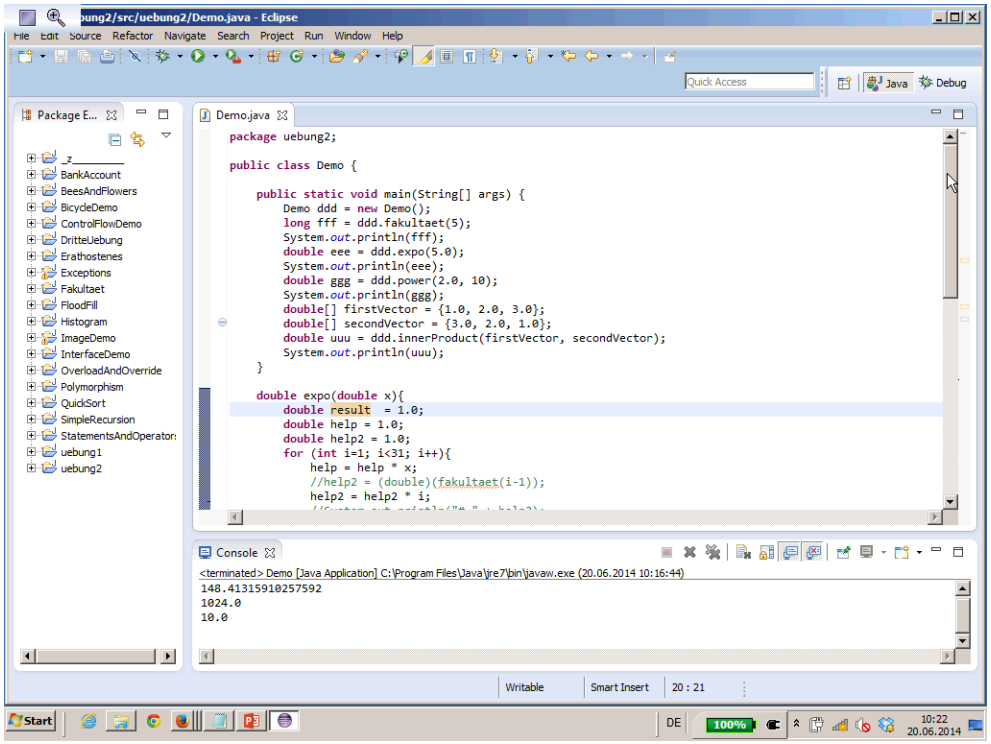
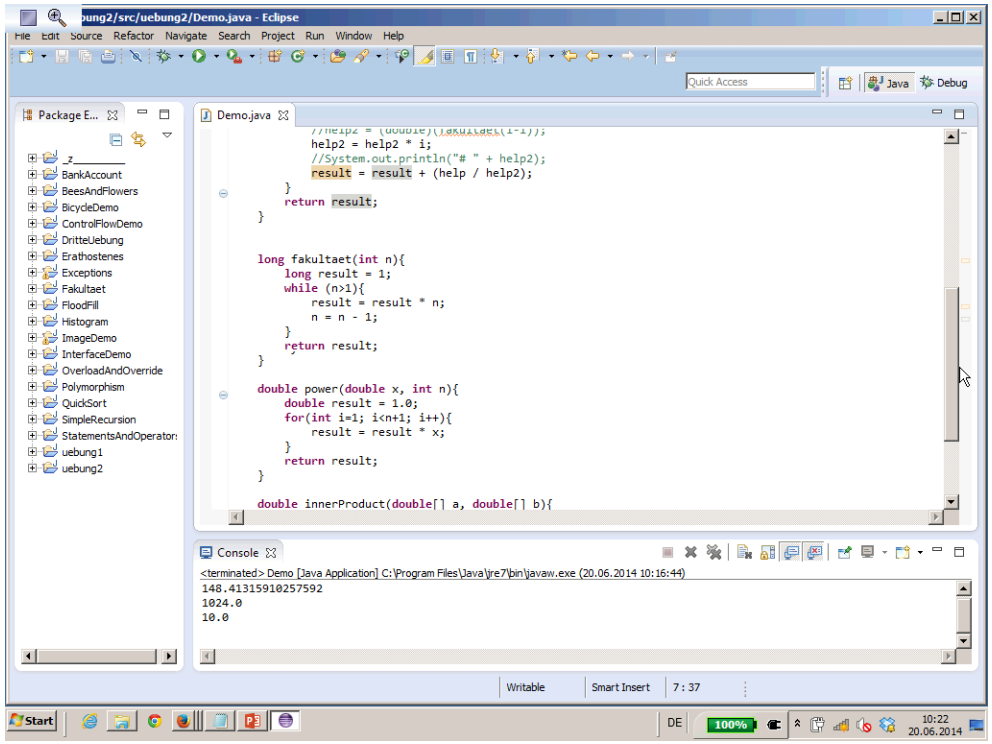
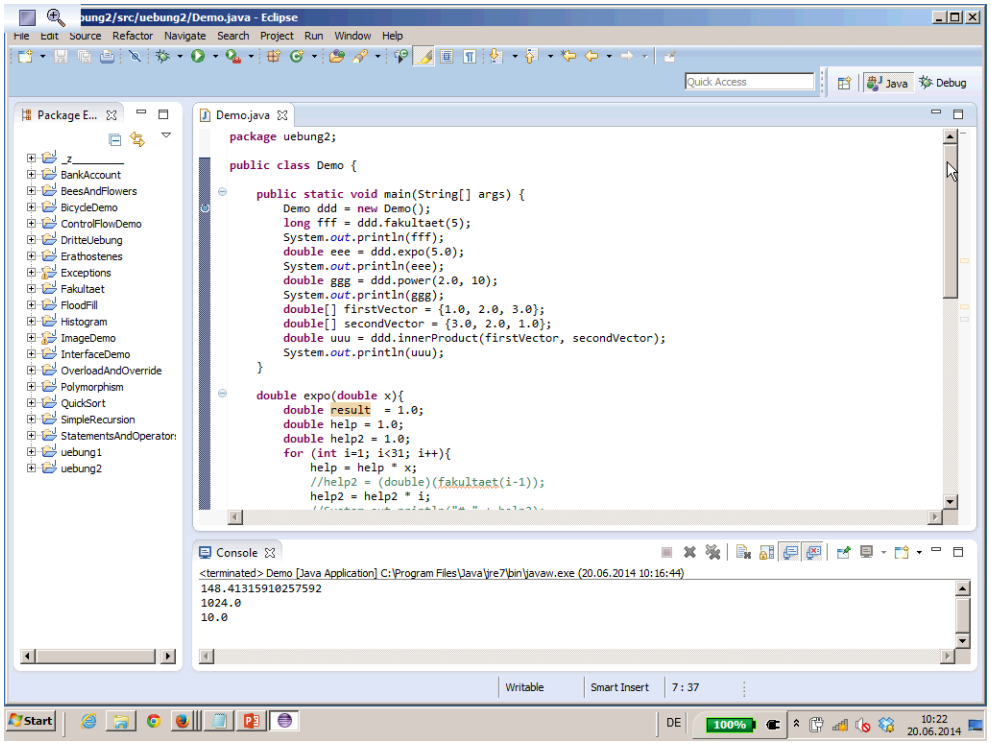
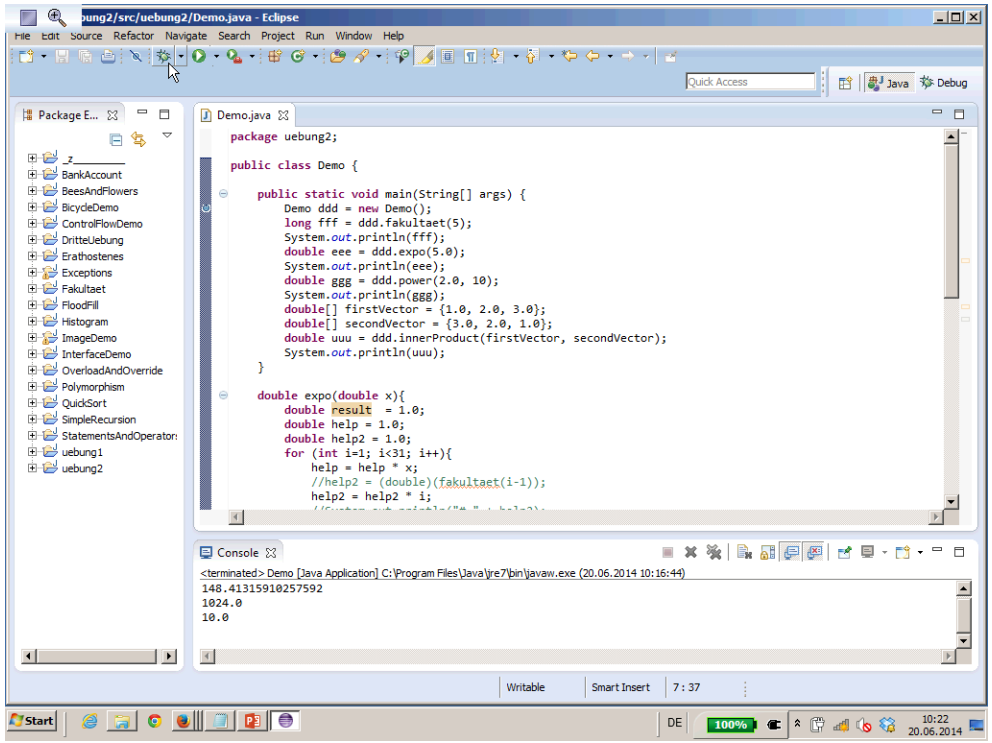
result = result * x;
}
return result;
Console
<terminated> Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 10:16:44)
148.41315910257592
1024.0
10.0
Writable
Smart Insert
51 : 49
Start
DE
100%
10:19
20.06.2014


bung2/src/uebung2/Demo.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Java
Debug
Package E...
Demo.java
package uebung2;
public class Demo {
public static void main(String[] args) {
Demo ddd = new Demo();
long fff = ddd.fakultaet(5);
System.out.println(fff);
double eee = ddd.expo(5.0);
System.out.println(eee);
double ggg = ddd.power(2.0, 10);
System.out.println(ggg);
double[] firstVector = {1.0, 2.0, 3.0};
double[] secondVector = {3.0, 2.0, 1.0};
double uuu = ddd.innerProduct(firstVector, secondVector);
System.out.println(uuu);
}
double expo(double x){
double result = 1.0;
double help = 1.0;
double help2 = 1.0;
for (int i=1; i<31; i++){
help = help * x;
//help2 = (double)(fakultaet(i-1));
help2 = help2 * i;
Console
<terminated> Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 10:16:44)
148.41315910257592
1024.0
10.0
Writable
Smart Insert
20 : 21
Start
DE
100%
10:22
20.06.2014


bung2/src/uebung2/Demo.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Java
Debug
Package E...
Demo.java
help2 = help2 * i;
//System.out.println("# " + help2);
result = result + (help / help2);
}
return result;
}
long fakultaet(int n){
long result = 1;
while (n>1){
result = result * n;
n = n - 1;
}
return result;
}
double power(double x, int n){
double result = 1.0;
for(int i=1; i<n+1; i++){
result = result * x;
}
return result;
}
double innerProduct(double[] a, double[] b){
Console
<terminated> Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 10:16:44)
148.41315910257592
1024.0
10.0
Writable
Smart Insert
7 : 37
Start
DE
100%
10:22
20.06.2014


ubung2/src/uebung2/Demo.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Java
Debug
Package E...
_z_____
BankAccount
BeesAndFlowers
BicycleDemo
ControlFlowDemo
DritteUebung
Erathostenes
Exceptions
Fakultaet
FloodFill
Histogram
ImageDemo
InterfaceDemo
OverloadAndOverride
Polymorphism
QuickSort
SimpleRecursion
StatementsAndOperators
uebung1
uebung2
Demo.java
package uebung2;
public class Demo {
public static void main(String[] args) {
Demo ddd = new Demo();
long fff = ddd.fakultaet(5);
System.out.println(fff);
double eee = ddd.expo(5.0);
System.out.println(eee);
double ggg = ddd.power(2.0, 10);
System.out.println(ggg);
double[] firstVector = {1.0, 2.0, 3.0};
double[] secondVector = {3.0, 2.0, 1.0};
double uuu = ddd.innerProduct(firstVector, secondVector);
System.out.println(uuu);
}
double expo(double x){
double result = 1.0;
double help = 1.0;
double help2 = 1.0;
for (int i=1; i<31; i++){
help = help * x;
//help2 = (double)(fakultaet(i-1));
help2 = help2 * i;
Console
<terminated> Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 10:16:44)
148.41315910257592
1024.0
10.0
Writable
Smart Insert
7 : 37
Start
DE
100%
10:22
20.06.2014


ubung2/src/uebung2/Demo.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Java
Debug
Package E...
Demo.java
package uebung2;
public class Demo {
public static void main(String[] args) {
Demo ddd = new Demo();
long fff = ddd.fakultaet(5);
System.out.println(fff);
double eee = ddd.expo(5.0);
System.out.println(eee);
double ggg = ddd.power(2.0, 10);
System.out.println(ggg);
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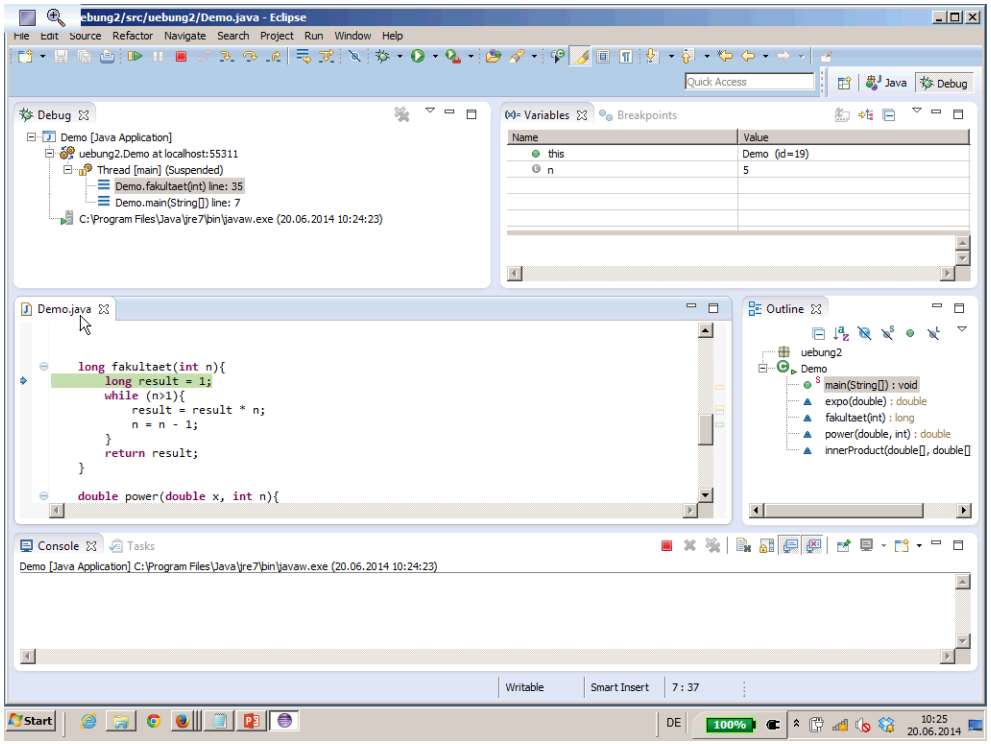
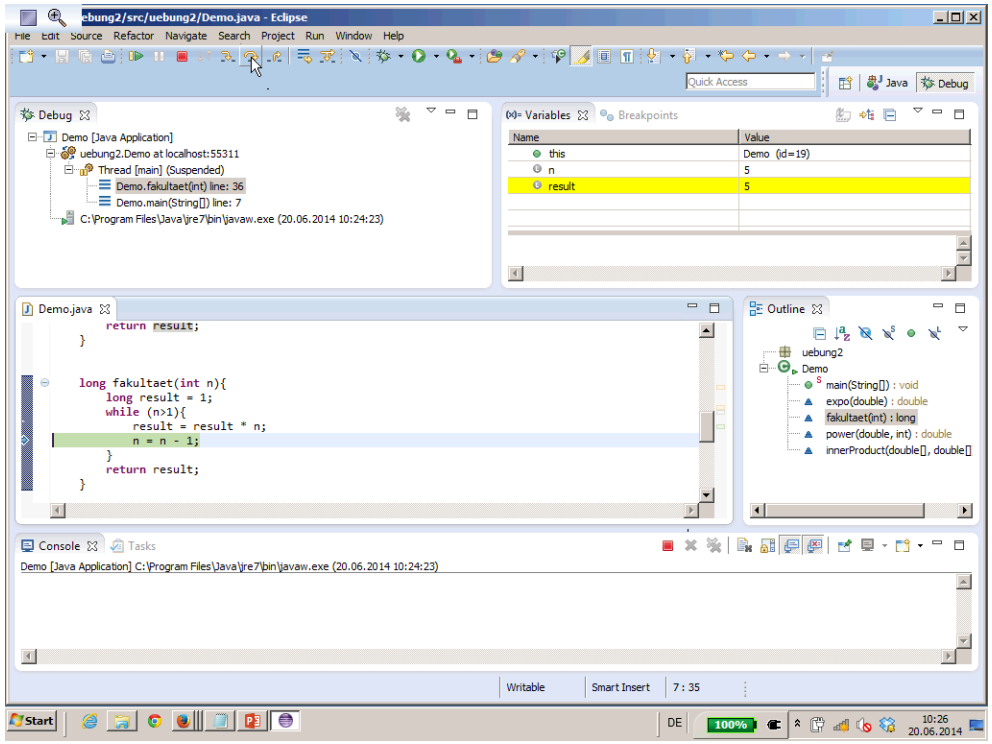
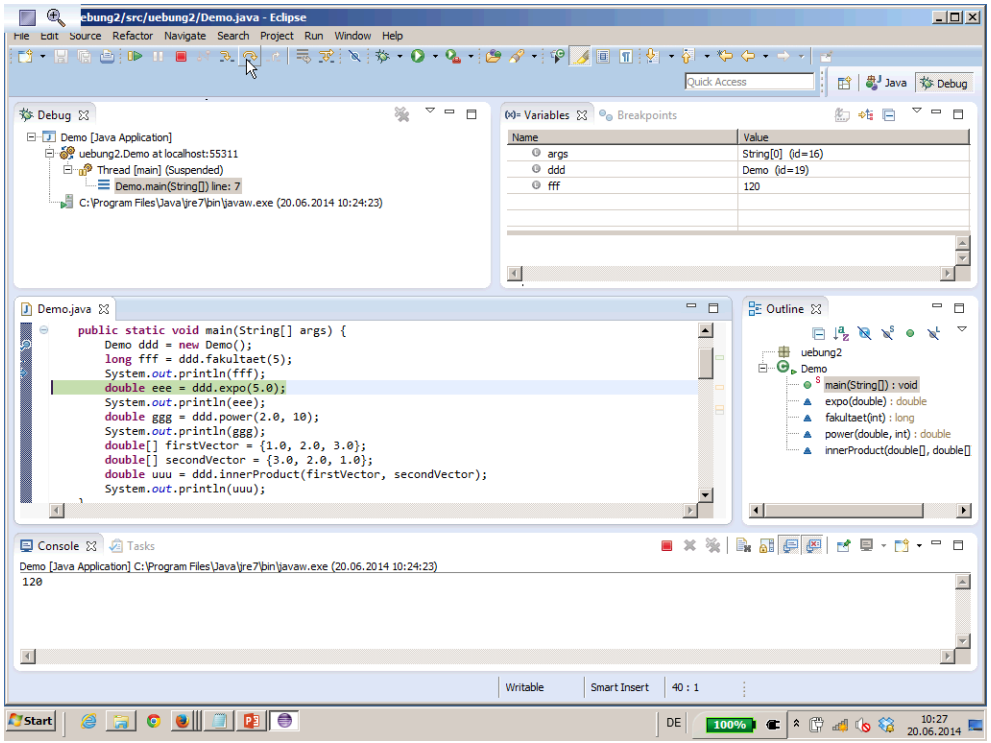
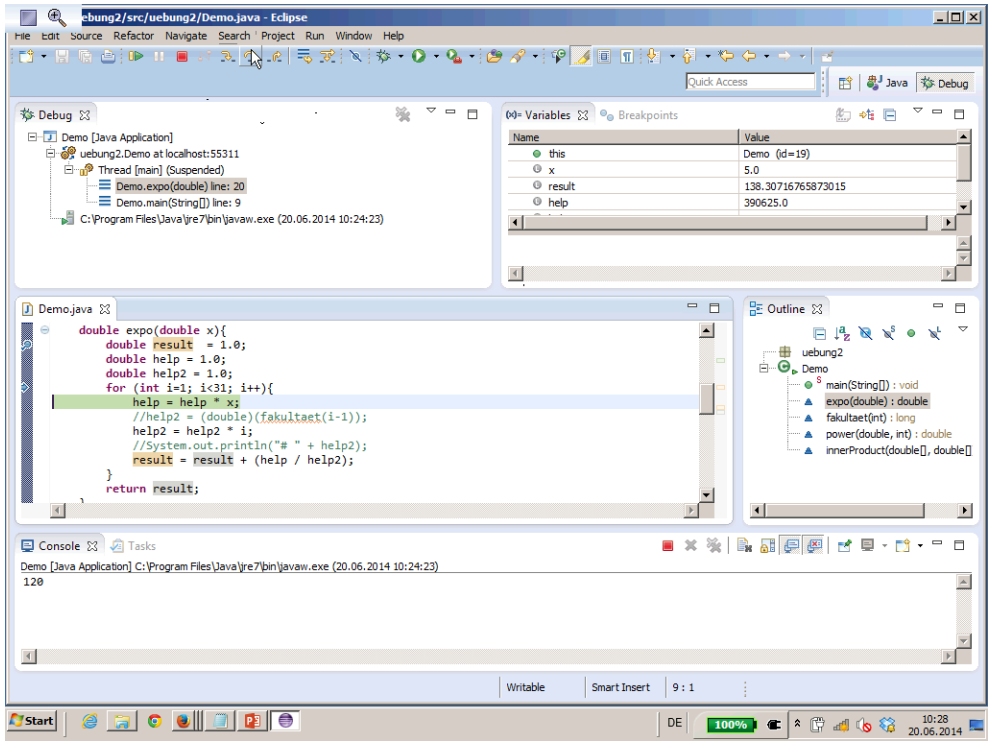
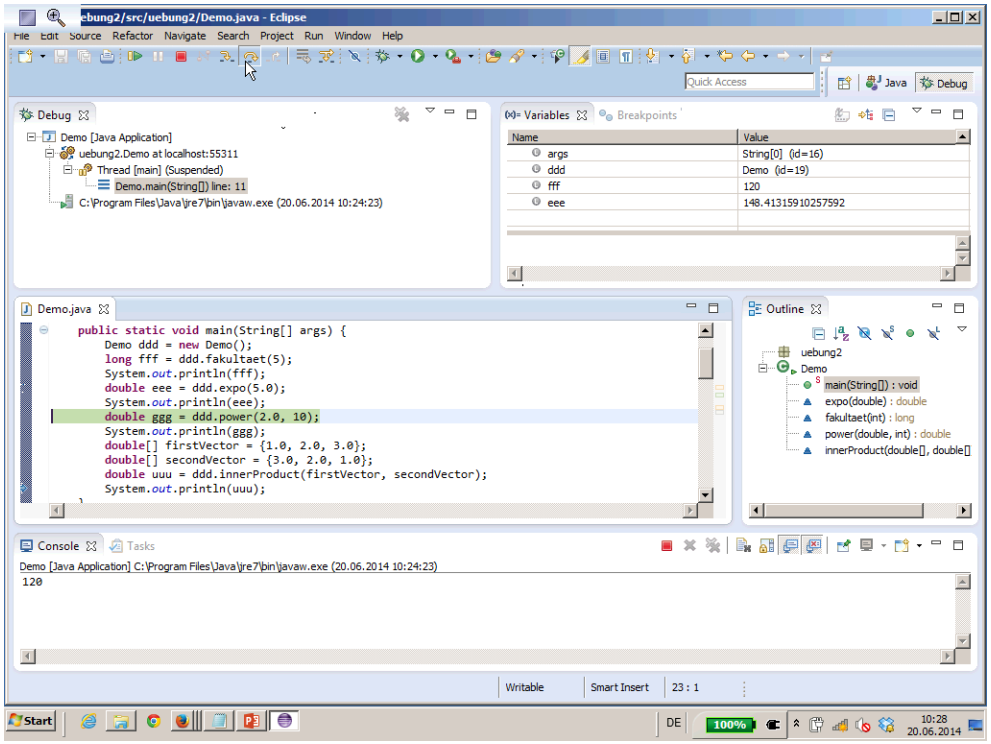
double[] secondVector = {3.0, 2.0, 1.0};
double uuu = ddd.innerProduct(firstVector, secondVector);
System.out.println(uuu);
}
double expo(double x){
double result = 1.0;
double help = 1.0;
double help2 = 1.0;
for (int i=1; i<31; i++){
help = help * x;
//help2 = (double)(fakultaet(i-1));
help2 = help2 * i;
Console
<terminated> Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 10:16:44)
148.41315910257592
1024.0
10.0
Writable
Smart Insert
7 : 37
Start
DE
100%
10:22
20.06.2014

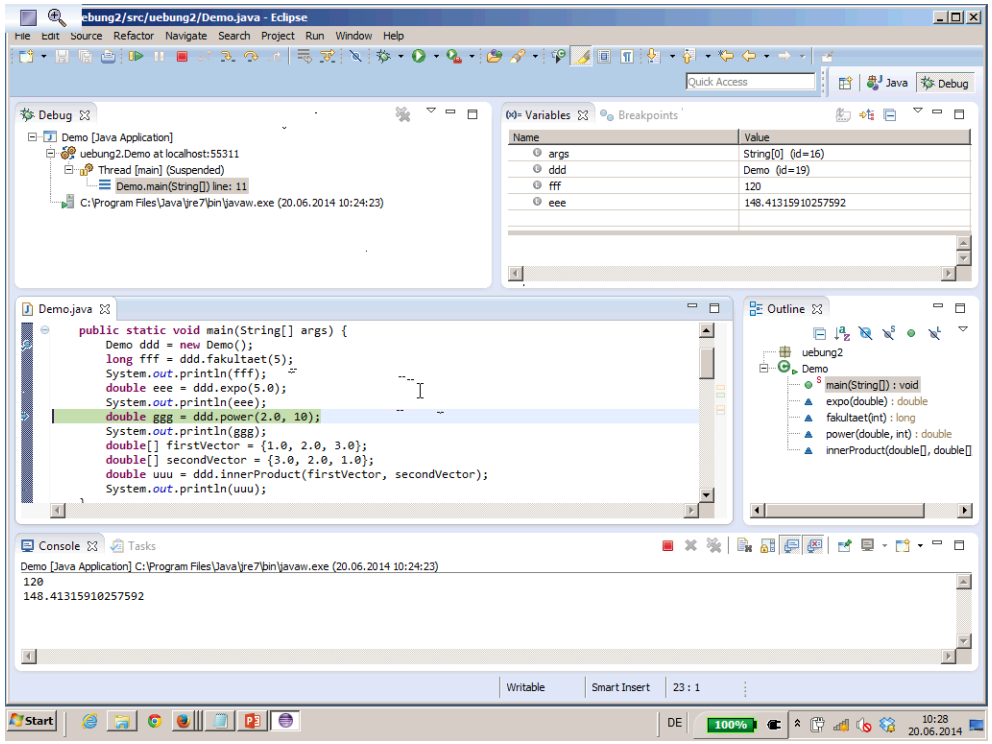

ebung2/src/uebung2/Demo.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Java
Debug
Debug
Demo [Java Application]
uebung2.Demo at localhost:55311
Thread [main] (Suspended)
Demo.fakultaet(int) line: 35
Demo.main(String[]) line: 7
C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 10:24:23)
Variables
Breakpoints
Name
Value
this
Demo (id=19)
n
5
Demo.java
long fakultaet(int n){
long result = 1;
while (n>1){
result = result * n;
n = n - 1;
}
return result;
}
double power(double x, int n){
Outline
uebung2
Demo
main(String[]) : void
expo(double) : double
fakultaet(int) : long
power(double, int) : double
innerProduct(double[], double[]
Console
Tasks
Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 10:24:23)
Writable
Smart Insert
7 : 37
Start
DE
100%
10:25
20.06.2014


ebung2/src/uebung2/Demo.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Java
Debug
Debug
Demo [Java Application]
uebung2.Demo at localhost:55311
Thread [main] (Suspended)
Demo.fakultaet(int) line: 36
Demo.main(String[]) line: 7
C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 10:24:23)
Variables
Breakpoints
Name
Value
this
Demo (id=19)
n
5
result
5
Demo.java
return result;
}
long fakultaet(int n){
long result = 1;
while (n>1){
result = result * n;
n = n - 1;
}
return result;
}
Outline
uebung2
Demo
main(String[]) : void
expo(double) : double
fakultaet(int) : long
power(double, int) : double
innerProduct(double[], double[]
Console
Tasks
Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 10:24:23)
Writable
Smart Insert
7 : 35
Start
DE
100%
10:26
20.06.2014


ebung2/src/uebung2/Demo.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Debug
Demo [Java Application]
uebung2.Demo at localhost:55311
Thread [main] (Suspended)
Demo.main(String[]) line: 7
C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 10:24:23)
Variables
Breakpoints
Name
Value
args
String[0] (id=16)
ddd
Demo (id=19)
fff
120
Demo.java
public static void main(String[] args) {
Demo ddd = new Demo();
long fff = ddd.fakultaet(5);
System.out.println(fff);
double eee = ddd.expo(5.0);
System.out.println(eee);
double ggg = ddd.power(2.0, 10);
System.out.println(ggg);
double[] firstVector = {1.0, 2.0, 3.0};
double[] secondVector = {3.0, 2.0, 1.0};
double uuu = ddd.innerProduct(firstVector, secondVector);
System.out.println(uuu);
Outline
uebung2
Demo
main(String[]) : void
expo(double) : double
fakultaet(int) : long
power(double, int) : double
innerProduct(double[], double[]
Console
Tasks
Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 10:24:23)
120
Writable
Smart Insert
40 : 1
Start
DE
100%
10:27
20.06.2014


ebung2/src/uebung2/Demo.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Debug
Demo [Java Application]
uebung2.Demo at localhost:55311
Thread [main] (Suspended)
Demo.expo(double) line: 20
Demo.main(String[]) line: 9
C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 10:24:23)
Variables
Breakpoints
Name
Value
this
Demo (id=19)
x
5.0
result
138.30716765873015
help
390625.0
Demo.java
double expo(double x){
double result = 1.0;
double help = 1.0;
double help2 = 1.0;
for (int i=1; i<31; i++){
help = help * x;
//help2 = (double)(fakultaet(i-1));
help2 = help2 * i;
//System.out.println("# " + help2);
result = result + (help / help2);
}
return result;
Outline
uebung2
Demo
main(String[]) : void
expo(double) : double
fakultaet(int) : long
power(double, int) : double
innerProduct(double[], double[]
Console
Tasks
Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 10:24:23)
120
Writable
Smart Insert
9 : 1
Start
DE
100%
10:28
20.06.2014


ebung2/src/uebung2/Demo.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Debug
Demo [Java Application]
uebung2.Demo at localhost:55311
Thread [main] (Suspended)
Demo.main(String[]) line: 11
C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 10:24:23)
Variables
Breakpoints
Name
Value
args
String[0] (id=16)
ddd
Demo (id=19)
fff
120
eee
148.41315910257592
Demo.java
public static void main(String[] args) {
Demo ddd = new Demo();
long fff = ddd.fakultaet(5);
System.out.println(fff);
double eee = ddd.expo(5.0);
System.out.println(eee);
double ggg = ddd.power(2.0, 10);
System.out.println(ggg);
double[] firstVector = {1.0, 2.0, 3.0};
double[] secondVector = {3.0, 2.0, 1.0};
double uuu = ddd.innerProduct(firstVector, secondVector);
System.out.println(uuu);
Outline
uebung2
Demo
main(String[]) : void
expo(double) : double
fakultaet(int) : long
power(double, int) : double
innerProduct(double[], double[]
Console
Tasks
Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 10:24:23)
120
Writable
Smart Insert
23 : 1
Start
DE
100%
10:28
20.06.2014


ebung2/src/uebung2/Demo.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Debug
Demo [Java Application]
uebung2.Demo at localhost:55311
Thread [main] (Suspended)
Demo.main(String[]) line: 11
C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 10:24:23)
Variables
Breakpoints
Name
Value
args
String[0] (id=16)
ddd
Demo (id=19)
fff
120
eee
148.41315910257592
Demo.java
public static void main(String[] args) {
Demo ddd = new Demo();
long fff = ddd.fakultaet(5);
System.out.println(fff);
double eee = ddd.expo(5.0);
System.out.println(eee);
double ggg = ddd.power(2.0, 10);
System.out.println(ggg);
double[] firstVector = {1.0, 2.0, 3.0};
double[] secondVector = {3.0, 2.0, 1.0};
double uuu = ddd.innerProduct(firstVector, secondVector);
System.out.println(uuu);
Outline
uebung2
Demo
main(String[]) : void
expo(double) : double
fakultaet(int) : long
power(double, int) : double
innerProduct(double[], double[]
Console
Tasks
Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 10:24:23)
120
148.41315910257592
Writable
Smart Insert
23 : 1
Start
DE
100%
10:28
20.06.2014

3 Classes, Objects, Inheritance

Recommended reading:

http://docs.oracle.com/javase/tutorial/java/javaOO/classes.html
http://docs.oracle.com/javase/tutorial/java/javaOO/objects.html
http://docs.oracle.com/javase/tutorial/java/javaOO/more.html
http://docs.oracle.com/javase/tutorial/java/IandI/subclasses.html
http://docs.oracle.com/javase/tutorial/essential/exceptions/index.html

3 Classes, Objects, Inheritance

Recommended reading:

http://docs.oracle.com/javase/tutorial/java/javaOO/classes.html
http://docs.oracle.com/javase/tutorial/java/javaOO/objects.html
http://docs.oracle.com/javase/tutorial/java/javaOO/more.html
http://docs.oracle.com/javase/tutorial/java/IandI/subclasses.html
http://docs.oracle.com/javase/tutorial/essential/exceptions/index.html

3 Classes, Objects, Inheritance

```
class Bicycle {
       public int cadence = 0;
       public int speed = 0;
       public int gear = 1;

       public Bicycle(int startCadence, int startSpeed, int startGear) {
            gear = startGear;
            cadence = startCadence;
            speed = startSpeed;
       }

       public void changeCadence(int newValue) {
            cadence = newValue;
       }

       public void chang
            gear = newVa
       }

       public void speed
            speed = spee
       }

       public void apply
            speed = spee
       }
}
```

```
public class MountainBike extends Bicycle {
    public int seatHeight;

    public MountainBike(int startHeight, int startCadence,
                        int startSpeed, int startGear)
    {
        super(startCadence, startSpeed, startGear);
        seatHeight = startHeight;
    }

    public void setHeight(int newValue) {
        seatHeight = newValue;
    }
}
```

Source: [JTutorial]

3 Classes, Objects, Inheritance

```
class Bicycle {
       public int cadence = 0;
       public int speed = 0;
       public int gear = 1;

       public Bicycle(int startCadence, int startSpeed, int startGear) {
            gear = startGear;
            cadence = startCadence;
            speed = startSpeed;
       }

       public void changeCadence(int newValue) {
            cadence = newValue;
       }

       public void chang
            gear = newVa
       }

       public void speed
            speed = spee
       }

       public void apply
            speed = spee
       }
}
```

```
public class MountainBike extends Bicycle {
    public int seatHeight;

    public MountainBike(int startHeight, int startCadence,
                        int startSpeed, int startGear)
    {
        super(startCadence, startSpeed, startGear);
        seatHeight = startHeight;
    }

    public void setHeight(int newValue) {
        seatHeight = newValue;
    }
}
```

Source: [JTutorial]

3 Classes, Objects, Inheritance

```
class Bicycle {
    public int cadence = 0;
    public int speed = 0;
    public int gear = 1;

    public void changeCadence(int newValue) {
        cadence = newValue;
    }

    public void speedUp(int increment) {
        speed = speed + increment;
    }

    public void applyBrake(int decrement) {
        speed = speed - decrement;
    }
}

public class MountainBike extends Bicycle {
    public int seatHeight;

    public MountainBike(int startHeight, int startCadence,
                        int startSpeed, int startGear)
    {
        super(startCadence, startSpeed, startGear);
        seatHeight = startHeight;
    }

    public void setHeight(int newValue) {
        seatHeight = newValue;
    }
}
```

- Class definition (general form):
  modifier `class MyClass extends MySuperClass implements YourInterface1, ..., YourInterfaceN { // fields, constructors, methods }`
- *(Access) modifier* (for classes):
  certain combinations of { `public, protected, private, static, final, abstract` }

Source: [JTutorial]

3 Classes, Objects, Inheritance


```
class Bicycle {
    public int cadence = 0;
    public int speed = 0;
    public int gear = 1;

    public void changeCadence(int newValue) {
        cadence = newValue;
    }

    public void speedUp(int increment) {
        speed = speed + increment;
    }

    public void applyBrake(int decrement) {
        speed = speed - decrement;
    }
}

public class MountainBike extends Bicycle {
    public int seatHeight;

    public MountainBike(int startHeight, int startCadence,
                        int startSpeed, int startGear)
    {
        super(startCadence, startSpeed, startGear);
        seatHeight = startHeight;
    }

    public void setHeight(int newValue) {
        seatHeight = newValue;
    }
}
```


- Class definition (general form):
  modifier `class MyClass extends MySuperClass implements YourInterface1, ..., YourInterfaceN { // fields, constructors, methods }`
- *(Access) modifier* (for classes):
  certain combinations of { `public, protected, private, static, final, abstract` }

Source: [JTutorial]

3 Classes, Objects, Inheritance


```
class Bicycle {
    public int cadence = 0;
    public int speed = 0;
    public int gear = 1;

    public void changeCadence(int newValue) {
        cadence = newValue;
    }

    public void speedUp(int increment) {
        speed = speed + increment;
    }

    public void applyBrake(int decrement) {
        speed = speed - decrement;
    }
}

public class MountainBike extends Bicycle {
    public int seatHeight;

    public MountainBike(int startHeight, int startCadence,
                        int startSpeed, int startGear)
    {
        super(startCadence, startSpeed, startGear);
        seatHeight = startHeight;
    }

    public void setHeight(int newValue) {
        seatHeight = newValue;
    }
}
```


- Field declaration (general form):
  modifier type name ;
- *(Access) modifier* (for fields):
  certain combinations of { `public, protected, private, static, final` }
- *type*: Any primitive or reference type

Source: [JTutorial]

3 Classes, Objects, Inheritance


```
class Bicycle {
    public int cadence = 0;
    public int speed = 0;
    public int gear = 1;

    public void changeCadence(int newValue) {
        cadence = newValue;
    }

    public void speedUp(int increment) {
        speed = speed + increment;
    }

    public void applyBrake(int decrement) {
        speed = speed - decrement;
    }
}

public class MountainBike extends Bicycle {
    public int seatHeight;

    public MountainBike(int startHeight, int startCadence,
                        int startSpeed, int startGear)
    {
        super(startCadence, startSpeed, startGear);
        seatHeight = startHeight;
    }

    public void setHeight(int newValue) {
        seatHeight = newValue;
    }
}
```


- Method declaration (general form):
  modifier typeOfReturnValue name (parameter) throwsClause { statement* }*
- *(Access) modifier* (for methods):
  certain combinations of { `public, protected, private, static, final, abstract` }
- *typeOfReturnValue*: Any primitive or reference type
- *parameter**: (later)
- *throwsClause**: (later)
- *statement**: statement(s) to execute

Source: [JTutorial]

3 Classes, Objects, Inheritance

- Method declaration (general form):
  modifier typeOfReturnValue name (parameter) throwsClause {*
  *statement**
  }
- *(Access) modifier* (for methods):
  certain combinations of { `public, protected, private, static, final, abstract` }
- *typeOfReturnValue*: Any primitive or reference type
- *parameter**: (later)
- *throwsClause**: (later)
- *statement**: statement(s) to execute

```
public void setHeight(int newValue) {
    seatHeight = newValue;
}
```

Source: [JTutorial]

3 Classes, Objects, Inheritance

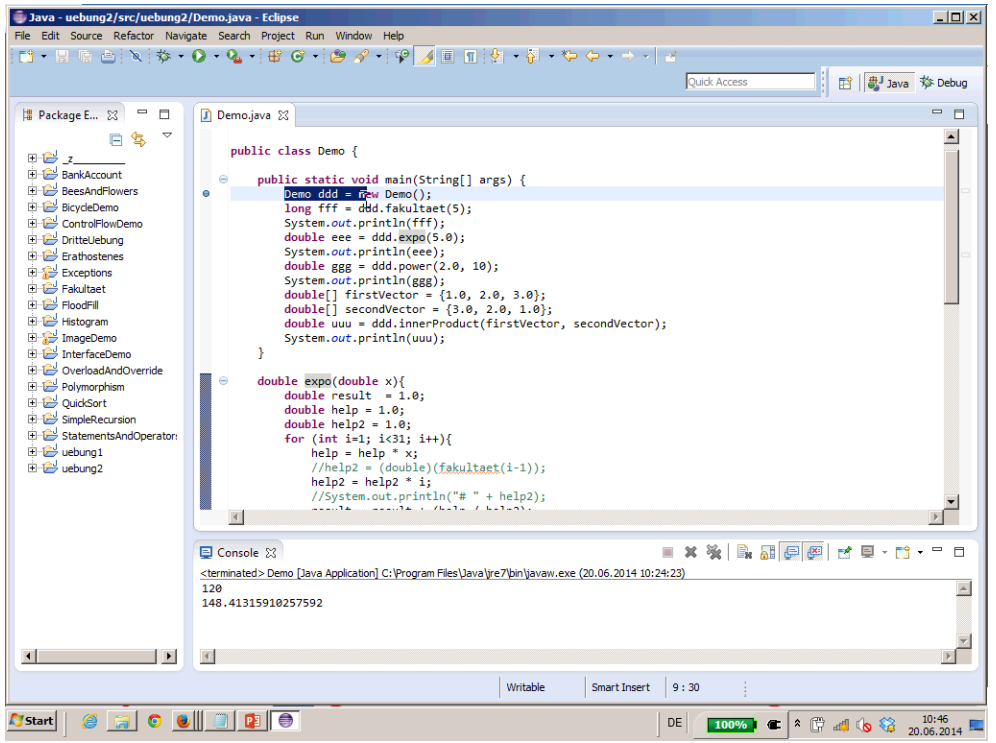
```
public int cadence = 0;
public int speed = 0;
public int gear = 1;
```

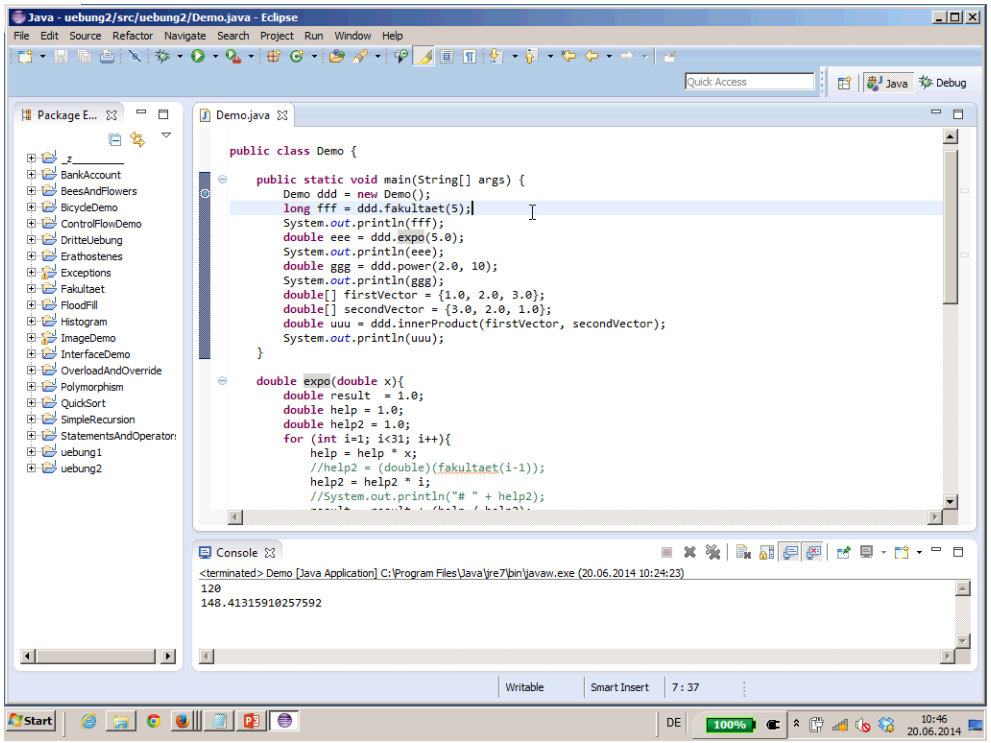
- Field declaration (general form):
  modifier type name ;
- *(Access) modifier* (for fields):
  certain combinations of { `public, protected, private, static, final` }
- *type*: Any primitive or reference type

```
public int seatHeight;
```

Source: [JTutorial]

3 Classes, Objects, Inheritance




Java - uebung2/src/uebung2/Demo.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Java
Debug
Package E...
_z_____
BankAccount
BeesAndFlowers
BicycleDemo
ControlFlowDemo
DritteUebung
Erathostenes
Exceptions
Fakultaet
FloodFill
Histogram
ImageDemo
InterfaceDemo
OverloadAndOverride
Polymorphism
QuickSort
SimpleRecursion
StatementsAndOperators
uebung1
uebung2
Demo.java
public class Demo {
public static void main(String[] args) {
Demo ddd = new Demo();
long fff = ddd.fakultaet(5);
System.out.println(fff);
double eee = ddd.expo(5.0);
System.out.println(eee);
double ggg = ddd.power(2.0, 10);
System.out.println(ggg);
double[] firstVector = {1.0, 2.0, 3.0};
double[] secondVector = {3.0, 2.0, 1.0};
double uuu = ddd.innerProduct(firstVector, secondVector);
System.out.println(uuu);
}
double expo(double x){
double result = 1.0;
double help = 1.0;
double help2 = 1.0;
for (int i=1; i<31; i++){
help = help * x;
//help2 = (double)(fakultaet(i-1));
help2 = help2 * i;
//System.out.println("# " + help2);
Console
<terminated> Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 10:24:23)
120
148.41315910257592
Writable
Smart Insert
7 : 37
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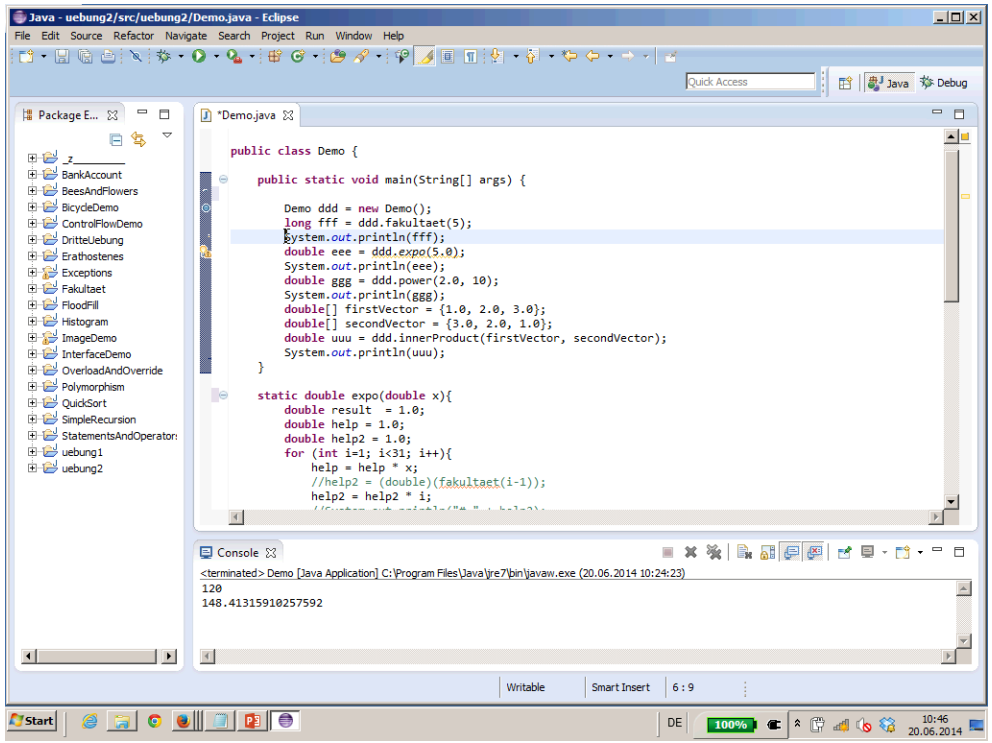
10:46
20.06.2014


Java - uebung2/src/uebung2/Demo.java - Eclipse
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Quick Access
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<terminated> Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 10:24:23)
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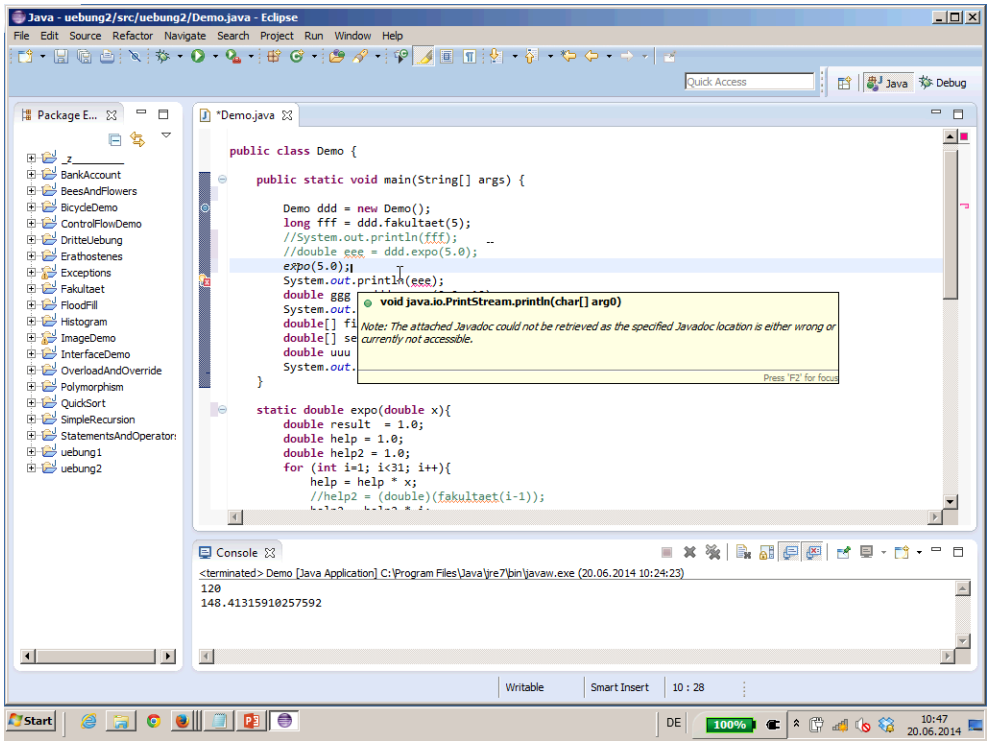
20.06.2014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File Edit Source Refactor Navigate Search Project Run Window Help
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Debug
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//System.out.println(fff);
//double eee = ddd.expo(5.0);
expo(5.0);
System.out.println(eee);
void java.io.PrintStream.println(char[] arg0)
Note: The attached Javadoc could not be retrieved as the specified Javadoc location is either wrong or currently not accessible.
Press 'F2' for focus
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double help2 = 1.0;
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//help2 = (double)(fakultaet(i-1));
Console
<terminated> Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 10:24:23)
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Start
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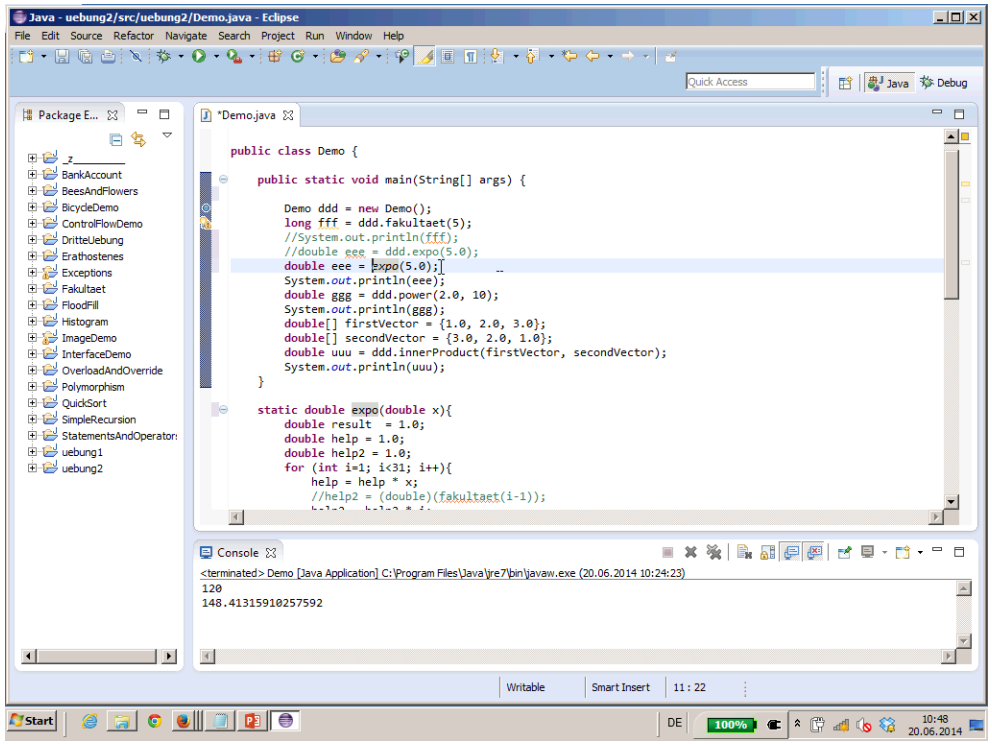
10:47
20.06.2014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File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
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Debug
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Console
<terminated> Demo [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (20.06.2014 10:24:23)
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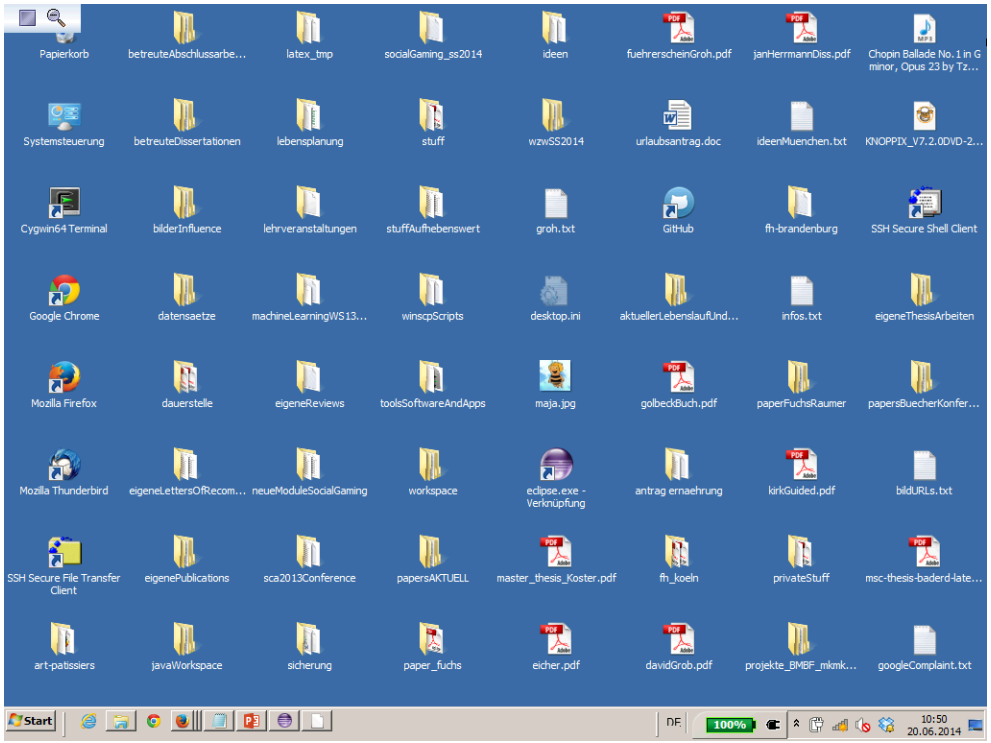
20.06.2014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janHerrmannDiss.pdf
Chopin Ballade No. 1 in G minor, Opus 23 by Tz...
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KNOPPIX_V7.2.0DVD-2...
Cygwin64 Terminal
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lehrveranstaltungen
stuffAufhebenswert
groh.txt
GitHub
fh-brandenburg
SSH Secure Shell Client
Google Chrome
datensaetze
machineLearningWS13...
winscpScripts
desktop.ini
aktuellerLebenslaufUnd...
infos.txt
eigeneThesisArbeiten
Mozilla Firefox
dauerstelle
eigeneReviews
toolsSoftwareAndApps
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golbeckBuch.pdf
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papersBuecherKonfer...
Mozilla Thunderbird
eigeneLettersOfRecom...
neueModuleSocialGaming
workspace
eclipse.exe - Verknüpfung
antrag ernaehrung
kirkGuided.pdf
bildURLs.txt
SSH Secure File Transfer Client
eigenePublications
sca2013Conference
papersAKTUELL
master_thesis_Koster.pdf
fh_koeln
privateStuff
msc-thesis-baderd-late...
art-patissiers
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20.06.2014