Table of Contents

CONTROL STATEMENTS TASK:
==========

QUESTIONS(Find the output)

Q1:

```
package org.test;

public class Test1 {
public static void main(String[] args) {
for (int i = 1; i <= 100; i++) {
if (i ==5){
}
System.out.println(i);
    }
 }
}
```

Q2:

```
package org.test;

public class Test2 {
public static void main(String[] args) {
for (int i = 1; i <= 10; i++) {
if (i == 5){
break;
}
System.out.println(i);
}
  }
}
```

Q3:

```
package org.test;

public class Test3 {
public static void main(String[] args) {
for (int i = 1; i <= 10; i++) {
if (i == 5){
continue;
}
System.out.println(i);
    }
   }
}
```

Q4:

```
package org.test;
```

```
public class Test4 {
public static void main(String[] args) {
for (int i = 1; i<= 3 ; i++){
for (int j = 1; j<=3; j++){
System.out.println(j);
    }
  }
 }
 }
```

Q5:

```
------------------
package org.test;

public class Test5 {
public static void main(String[] args) {
for (int i = 1; i<= 3 ; i++){
for (int j = 1; j<=3; j++){
System.out.println(i);
    }
  }
 }
 }
```

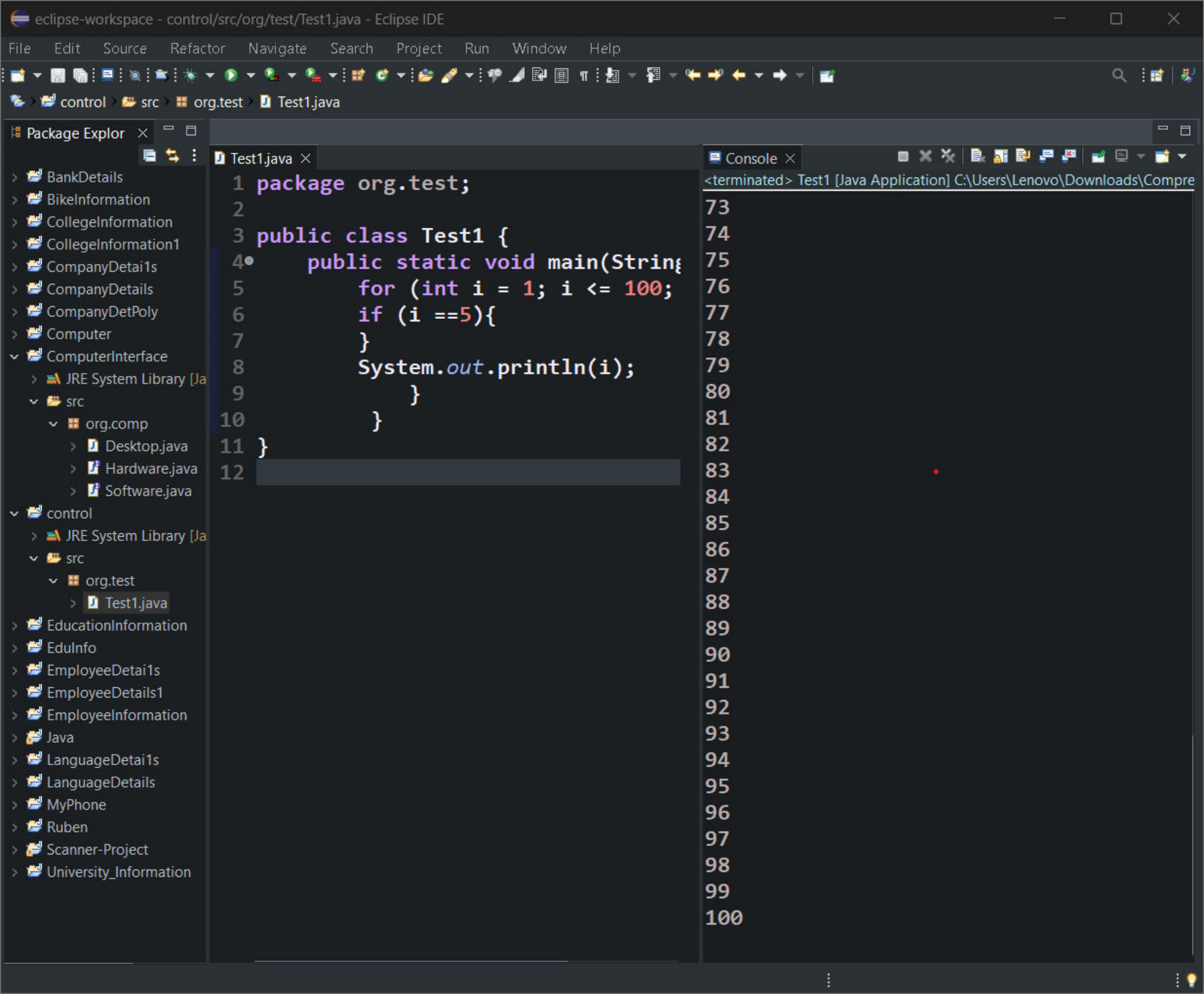
Q6:

```
--------------------
package org.test;

public class Test6 {
public static void main(String[] args) {
for (int i = 1; i<= 3; i++){
for (int j = i+1; j <=3; j++){
System.out.println(j);
   }
  }
 }
}
```

Q7:

```
-----------------------
package org.test;
public class Test7 {
public static void main(String[] args) {
for (int i = 1; i<=3; i++){
for (int j = i+1; j <=i; j++){
System.out.println(j);
      }
     }
   }
 }
```


eclipse-workspace - control/src/org/test/Test1.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
control src org.test Test1.java
Package Explor
BankDetails
BikeInformation
CollegeInformation
CollegeInformation1
CompanyDetai1s
CompanyDetails
CompanyDetPoly
Computer
ComputerInterface
JRE System Library [Ja
src
org.comp
Desktop.java
Hardware.java
Software.java
control
JRE System Library [Ja
src
org.test
Test1.java
EducationInformation
EduInfo
EmployeeDetai1s
EmployeeDetails1
EmployeeInformation
Java
LanguageDetai1s
LanguageDetails
MyPhone
Ruben
Scanner-Project
University_Information
Test1.java
1 package org.test;
2
3 public class Test1 {
4 public static void main(Strin
5 for (int i = 1; i <= 100;
6 if (i ==5){
7 }
8 System.out.println(i);
9 }
10 }
11 }
12
Console
<terminated> Test1 [Java Application] C:\Users\Lenovo\Downloads\Compre
73
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75
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88
89
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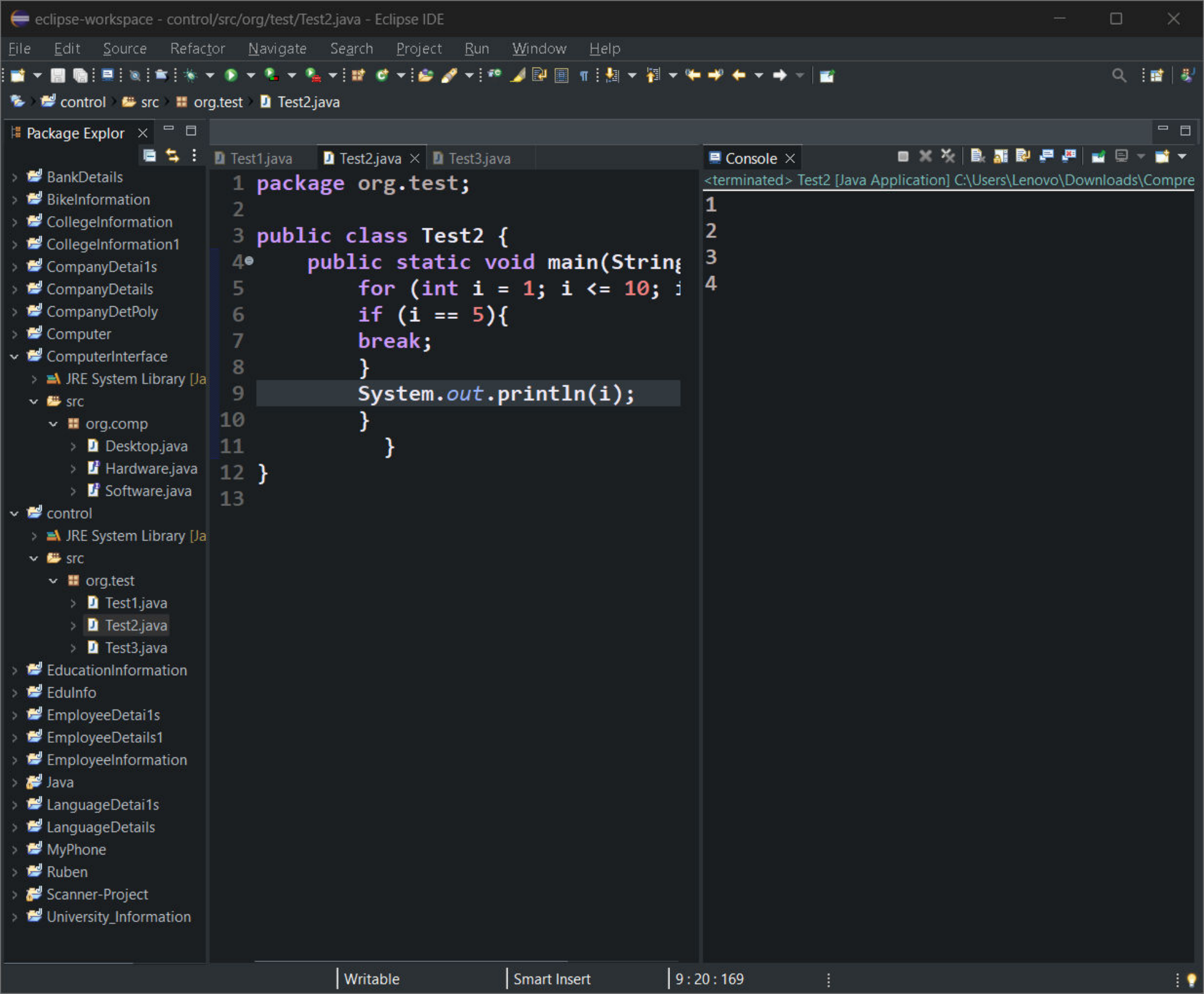
eclipse-workspace - control/src/org/test/Test2.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
control src org.test Test2.java
Package Explor
BankDetails
BikeInformation
CollegeInformation
CollegeInformation1
CompanyDetai1s
CompanyDetails
CompanyDetPoly
Computer
ComputerInterface
JRE System Library [Ja
src
org.comp
Desktop.java
Hardware.java
Software.java
control
JRE System Library [Ja
src
org.test
Test1.java
Test2.java
Test3.java
EducationInformation
EduInfo
EmployeeDetai1s
EmployeeDetails1
EmployeeInformation
Java
LanguageDetai1s
LanguageDetails
MyPhone
Ruben
Scanner-Project
University_Information
Test1.java
Test2.java
Test3.java
1 package org.test;
2
3 public class Test2 {
4 public static void main(String
5 for (int i = 1; i <= 10; i
6 if (i == 5){
7 break;
8 }
9 System.out.println(i);
10 }
11 }
12 }
13
Console
<terminated> Test2 [Java Application] C:\Users\Lenovo\Downloads\Compre
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Writable
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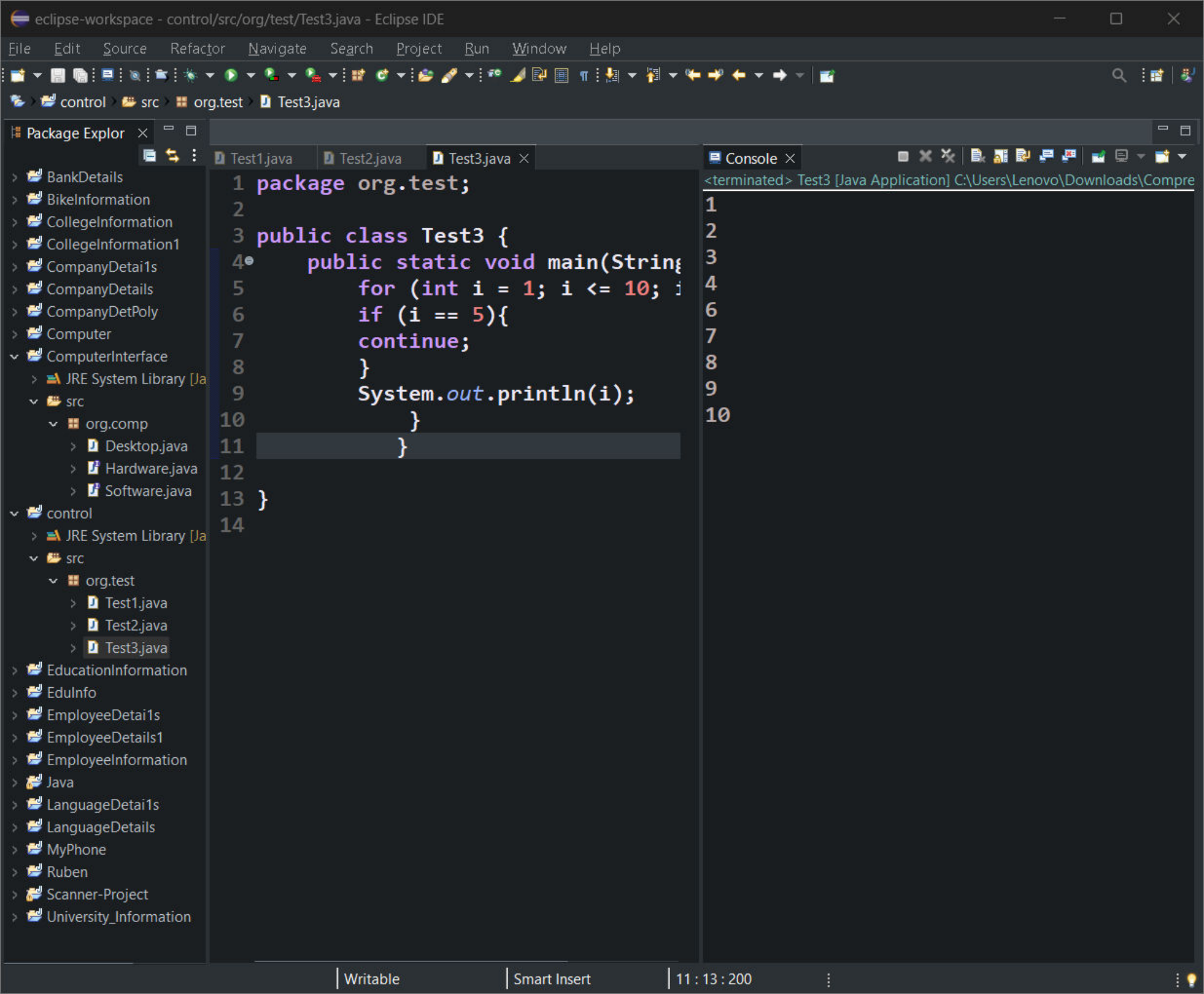
9 : 20 : 169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File Edit Source Refactor Navigate Search Project Run Window Help
control src org.test Test3.java
Package Explor
BankDetails
BikeInformation
CollegeInformation
CollegeInformation1
CompanyDetai1s
CompanyDetails
CompanyDetPoly
Computer
ComputerInterface
JRE System Library [Ja
src
org.comp
Desktop.java
Hardware.java
Software.java
control
JRE System Library [Ja
src
org.test
Test1.java
Test2.java
Test3.java
EducationInformation
EduInfo
EmployeeDetai1s
EmployeeDetails1
EmployeeInformation
Java
LanguageDetai1s
LanguageDetails
MyPhone
Ruben
Scanner-Project
University_Information
Test1.java
Test2.java
Test3.java
1 package org.test;
2
3 public class Test3 {
4 public static void main(String
5 for (int i = 1; i <= 10; i
6 if (i == 5){
7 continue;
8 }
9 System.out.println(i);
10 }
11 }
12
13 }
14
Console
<terminated> Test3 [Java Application] C:\Users\Lenovo\Downloads\Compre
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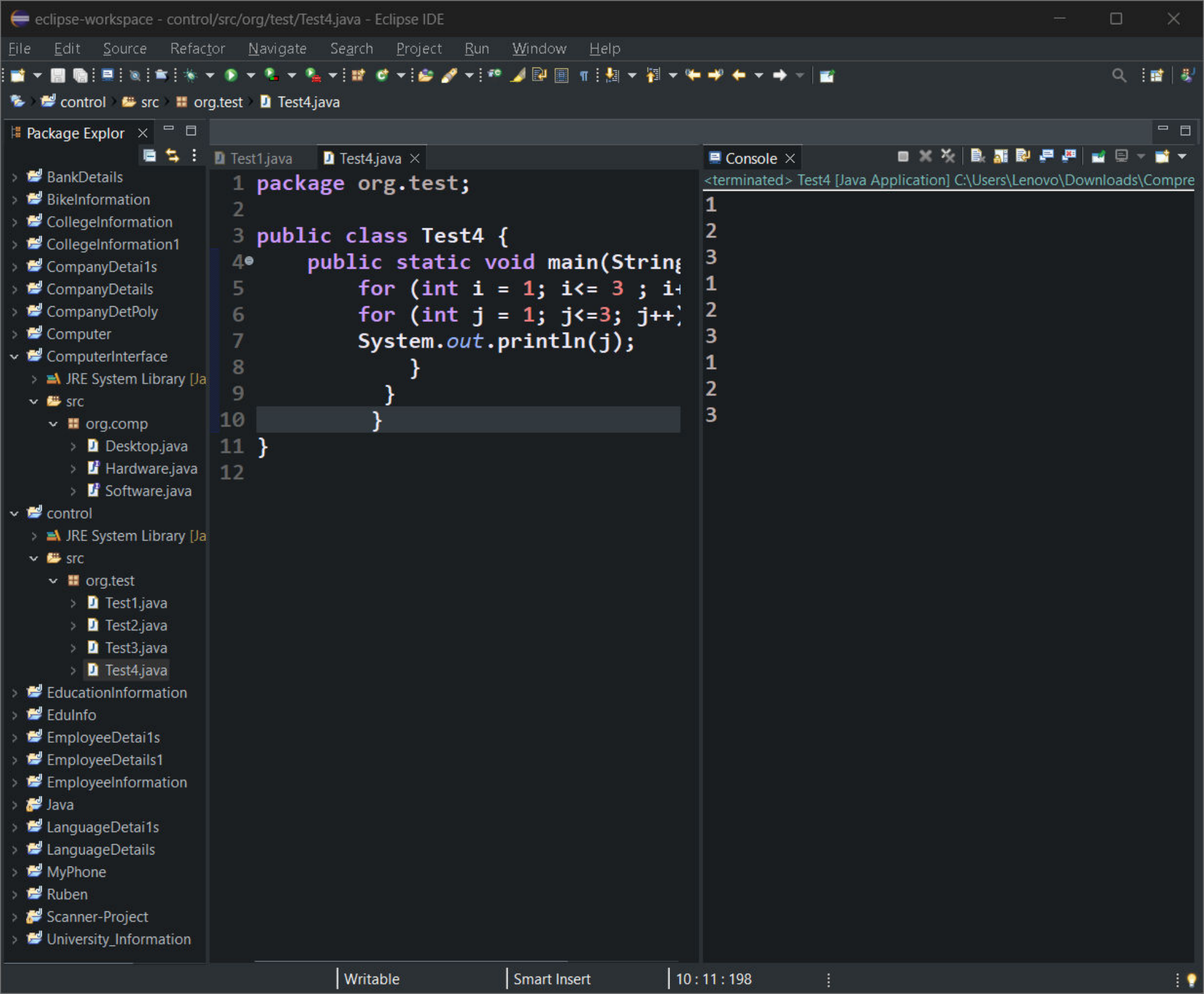
11 : 13 : 200


eclipse-workspace - control/src/org/test/Test4.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
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Package Explor
BankDetails
BikeInformation
CollegeInformation
CollegeInformation1
CompanyDetai1s
CompanyDetails
CompanyDetPoly
Computer
ComputerInterface
JRE System Library [Ja
src
org.comp
Desktop.java
Hardware.java
Software.java
control
JRE System Library [Ja
src
org.test
Test1.java
Test2.java
Test3.java
Test4.java
EducationInformation
EduInfo
EmployeeDetai1s
EmployeeDetails1
EmployeeInformation
Java
LanguageDetai1s
LanguageDetails
MyPhone
Ruben
Scanner-Project
University_Information
Test1.java
Test4.java
1 package org.test;
2
3 public class Test4 {
4 public static void main(String
5 for (int i = 1; i<= 3 ; i
6 for (int j = 1; j<=3; j++)
7 System.out.println(j);
8 }
9 }
10 }
11 }
12
Console
<terminated> Test4 [Java Application] C:\Users\Lenovo\Downloads\Compre
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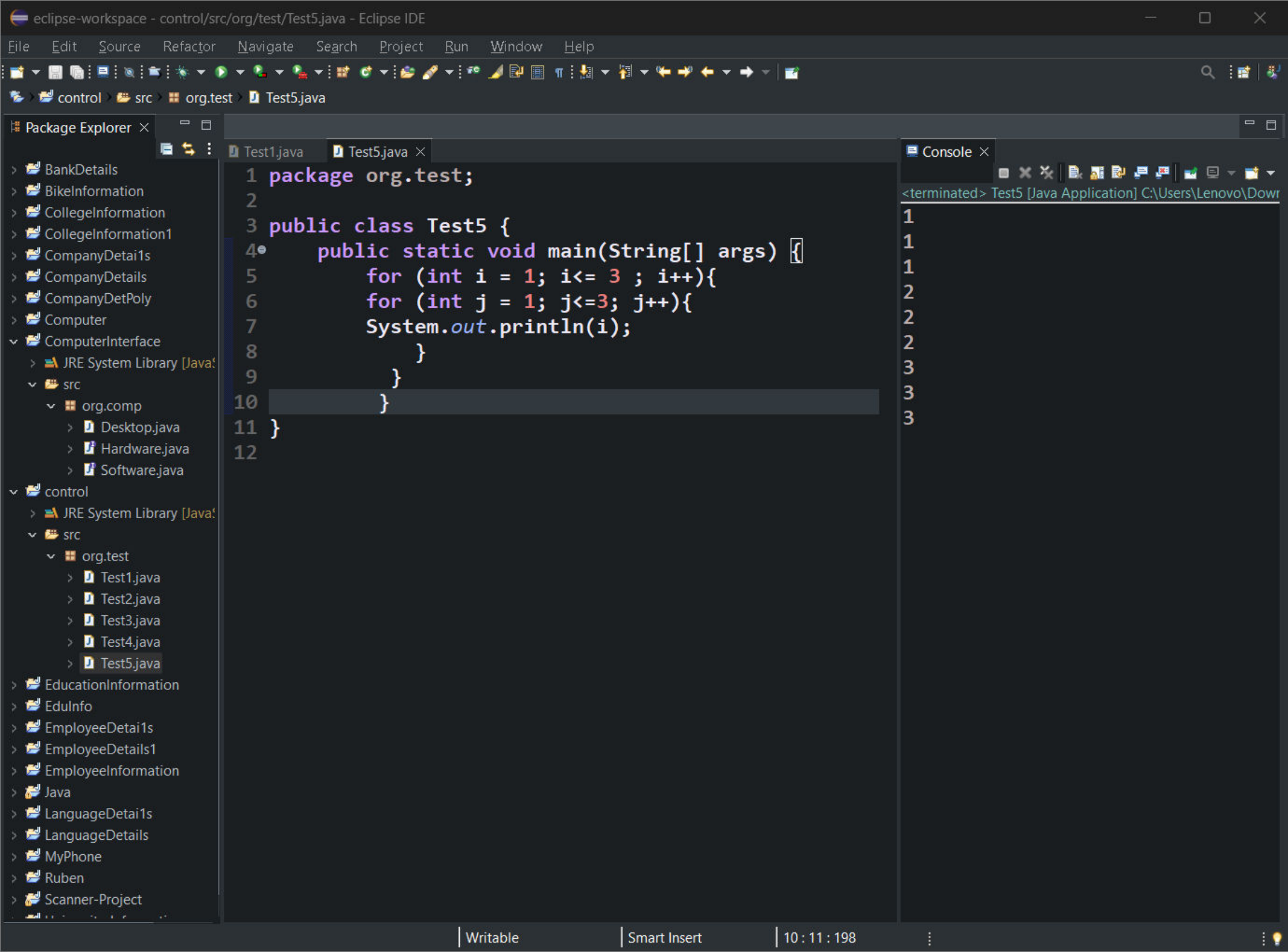
1
2
3
Writable
Smart Insert
10 : 11 : 198


eclipse-workspace - control/src/org/test/Test5.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
control src org.test Test5.java
Package Explorer
BankDetails
BikeInformation
CollegeInformation
CollegeInformation1
CompanyDetai1s
CompanyDetails
CompanyDetPoly
Computer
ComputerInterface
JRE System Library [Java
src
org.comp
Desktop.java
Hardware.java
Software.java
control
JRE System Library [Java
src
org.test
Test1.java
Test2.java
Test3.java
Test4.java
Test5.java
EducationInformation
EduInfo
EmployeeDetai1s
EmployeeDetails1
EmployeeInformation
Java
LanguageDetai1s
LanguageDetails
MyPhone
Ruben
Scanner-Project
Test1.java
Test5.java
1 package org.test;
2
3 public class Test5 {
4 public static void main(String[] args) {
5 for (int i = 1; i<= 3 ; i++){
6 for (int j = 1; j<=3; j++){
7 System.out.println(i);
8 }
9 }
10 }
11 }
12
Console
<terminated> Test5 [Java Application] C:\Users\Lenovo\Dowr
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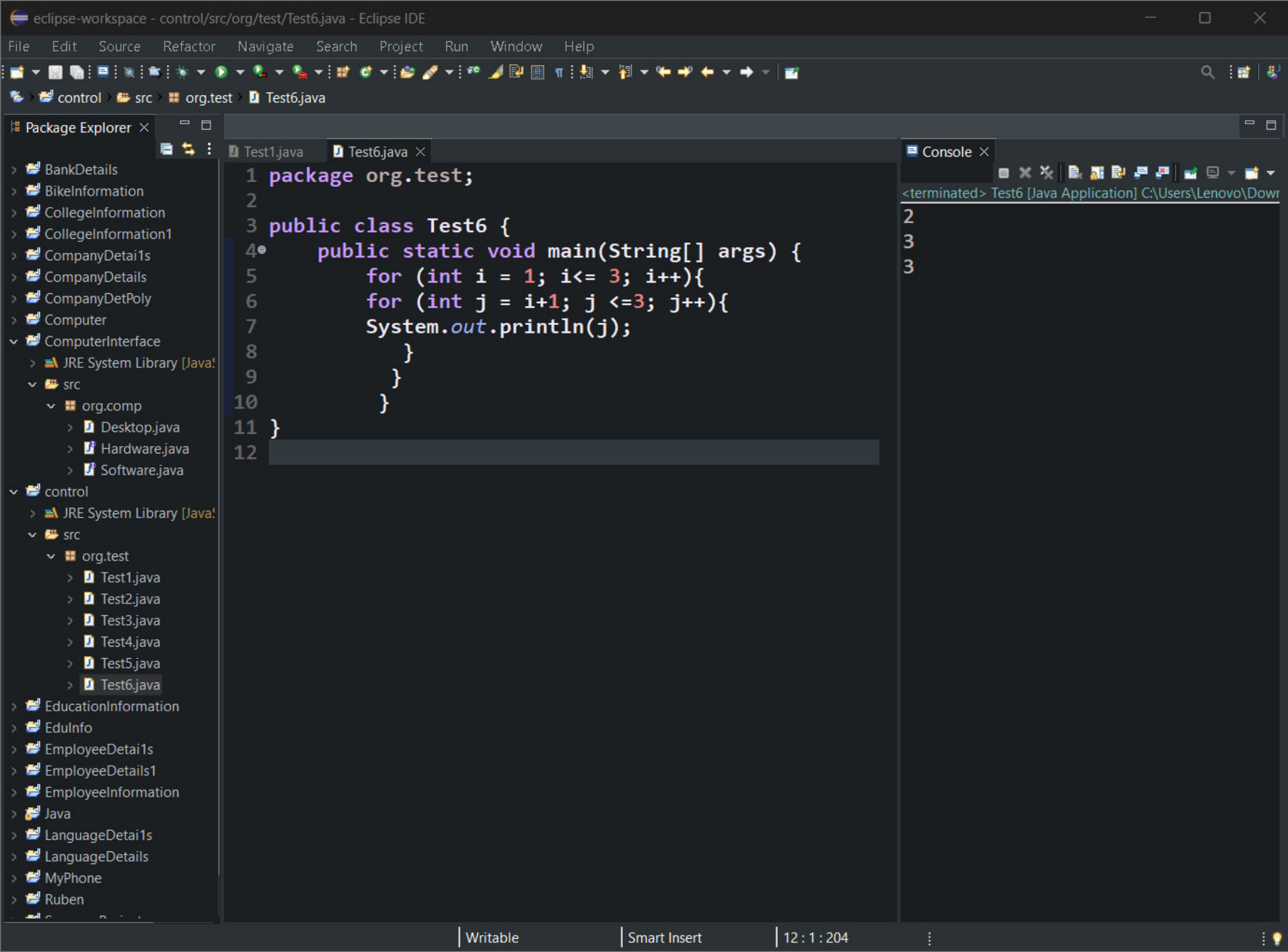
Writable
Smart Insert
10 : 11 : 198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File Edit Source Refactor Navigate Search Project Run Window Help
control src org.test Test6.java
Package Explorer
BankDetails
BikeInformation
CollegeInformation
CollegeInformation1
CompanyDetai1s
CompanyDetails
CompanyDetPoly
Computer
ComputerInterface
JRE System Library [Java
src
org.comp
Desktop.java
Hardware.java
Software.java
control
JRE System Library [Java
src
org.test
Test1.java
Test2.java
Test3.java
Test4.java
Test5.java
Test6.java
EducationInformation
EduInfo
EmployeeDetai1s
EmployeeDetails1
EmployeeInformation
Java
LanguageDetai1s
LanguageDetails
MyPhone
Ruben
Test1.java
Test6.java
1 package org.test;
2
3 public class Test6 {
4 public static void main(String[] args) {
5 for (int i = 1; i<= 3; i++){
6 for (int j = i+1; j <=3; j++){
7 System.out.println(j);
8 }
9 }
10 }
11 }
12
Console
<terminated> Test6 [Java Application] C:\Users\Lenovo\Dowr
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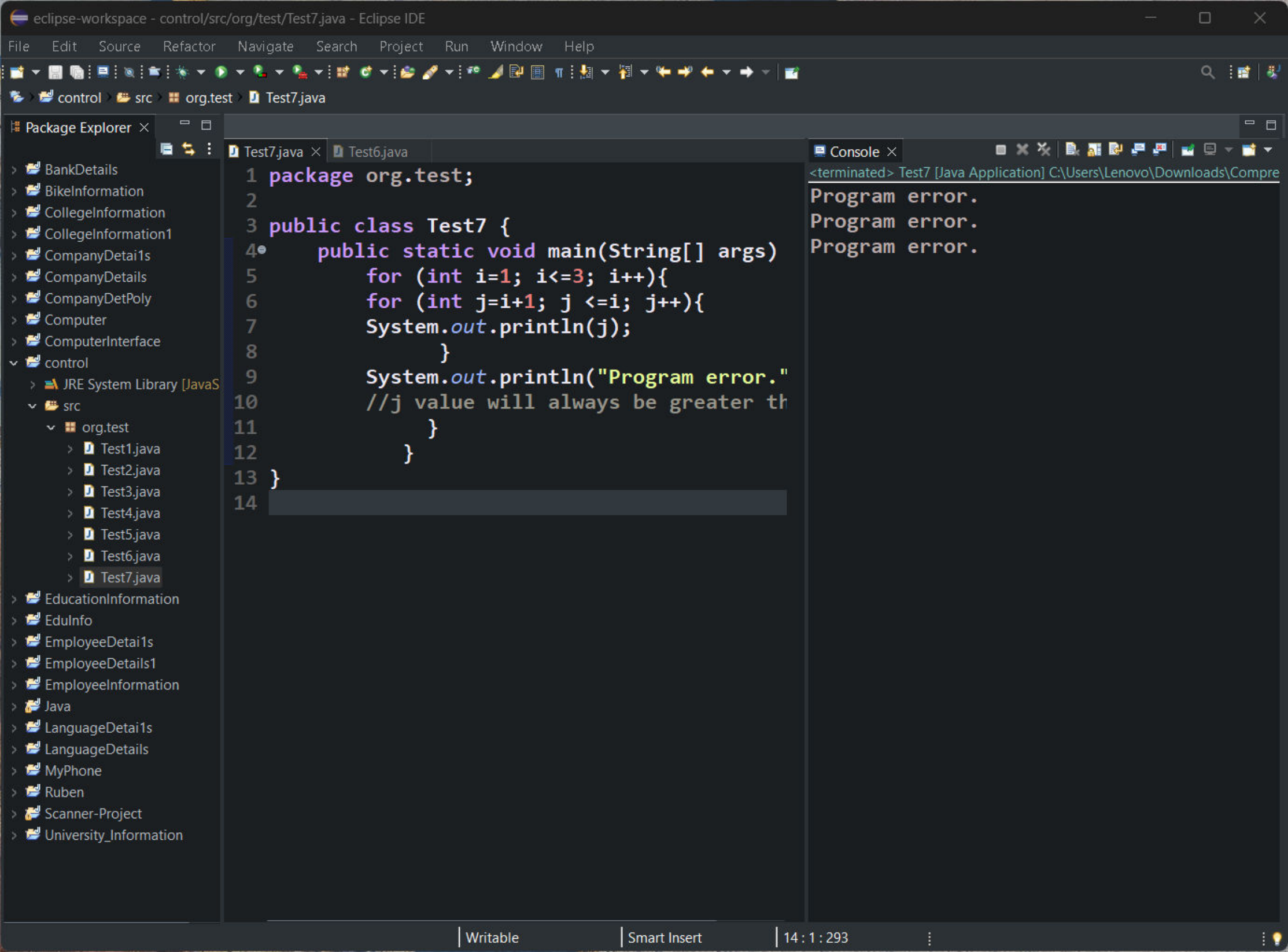
Writable
Smart Insert
12 : 1 : 204


eclipse-workspace - control/src/org/test/Test7.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
control src org.test Test7.java
Package Explorer
BankDetails
BikeInformation
CollegeInformation
CollegeInformation1
CompanyDetai1s
CompanyDetails
CompanyDetPoly
Computer
ComputerInterface
control
JRE System Library [JavaS
src
org.test
Test1.java
Test2.java
Test3.java
Test4.java
Test5.java
Test6.java
Test7.java
EducationInformation
EduInfo
EmployeeDetai1s
EmployeeDetails1
EmployeeInformation
Java
LanguageDetai1s
LanguageDetails
MyPhone
Ruben
Scanner-Project
University_Information
Test7.java
Test6.java
1 package org.test;
2
3 public class Test7 {
4 public static void main(String[] args)
5 for (int i=1; i<=3; i++){
6 for (int j=i+1; j <=i; j++){
7 System.out.println(j);
8 }
9 System.out.println("Program error."
10 //j value will always be greater th
11 }
12 }
13 }
14
Console
<terminated> Test7 [Java Application] C:\Users\Lenovo\Downloads\Compre
Program error.
Program error.
Program error.
Writable
Smart Insert
14 : 1 : 293

CONTROL STATEMENTS TASK:
==========

Q1:

Description: Write Java program to allow the user
to input his/her age. Then the program will show if
the person is eligible to vote. A person who is eligible to
vote must be older than or equal 1 to 18 years old.

Example :

Input = 10
Output = print not eligible.

Q2:

Description: Write a program to find even or
odd number

Example :

Input = 10
Output = Even

Q3:

Description: Write a program to print even
number from 1 to 100

Example :

Output = 2,4.....100

Q4:

Description: Find the sum of odd number 1 to
100

Example :

Output = 2500

Q5:

Description: Count of even number 1 to 100

Example :

Output = 50

Q6:

Description: Find prime number or not

Example :

Input = 11
Output = prime number

Q7:

Description: Reverse the number

Example :

Input = 123
Output = 321

Q8:

Description: count of the number

Example :

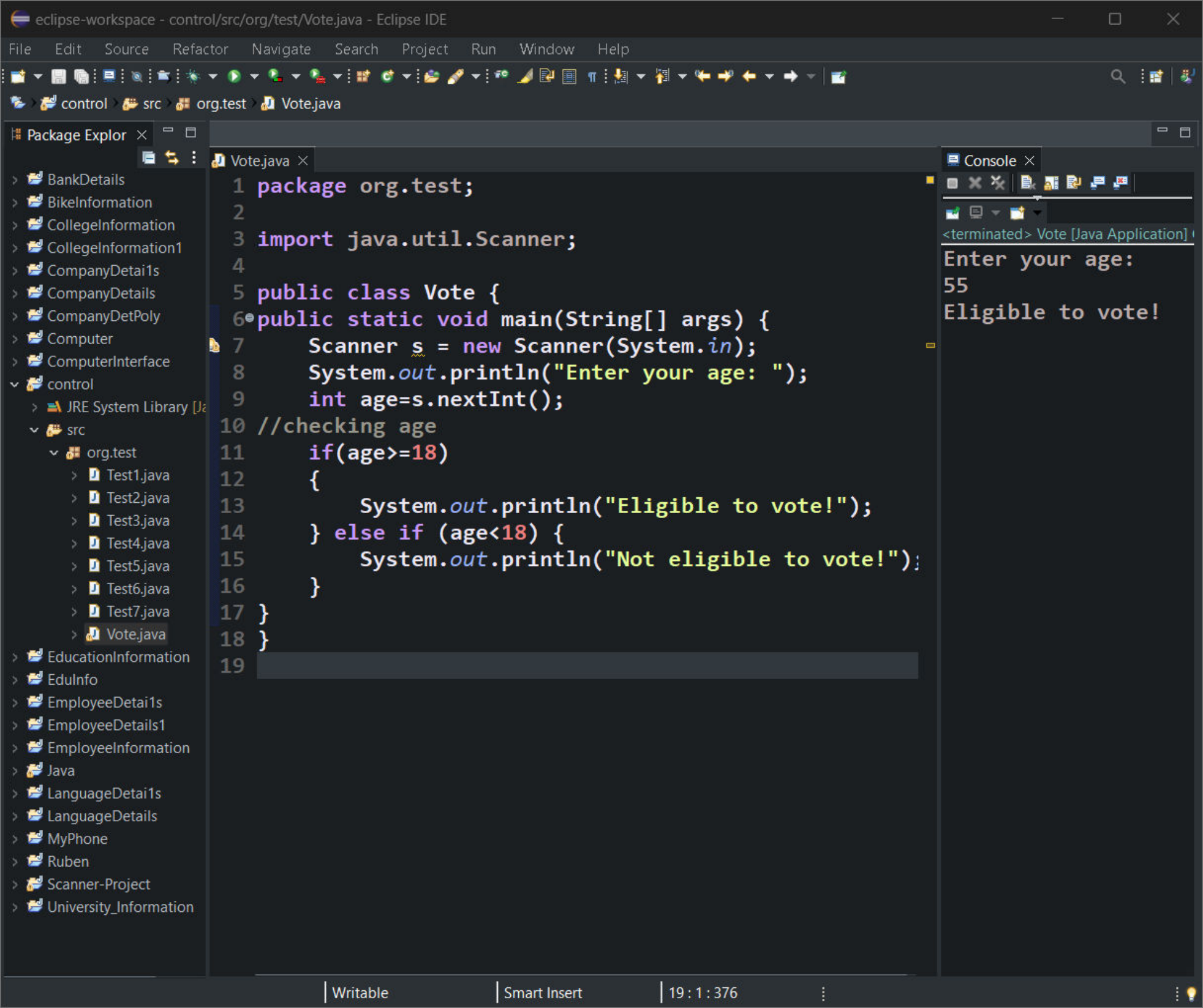
Input = 123
Output = 3

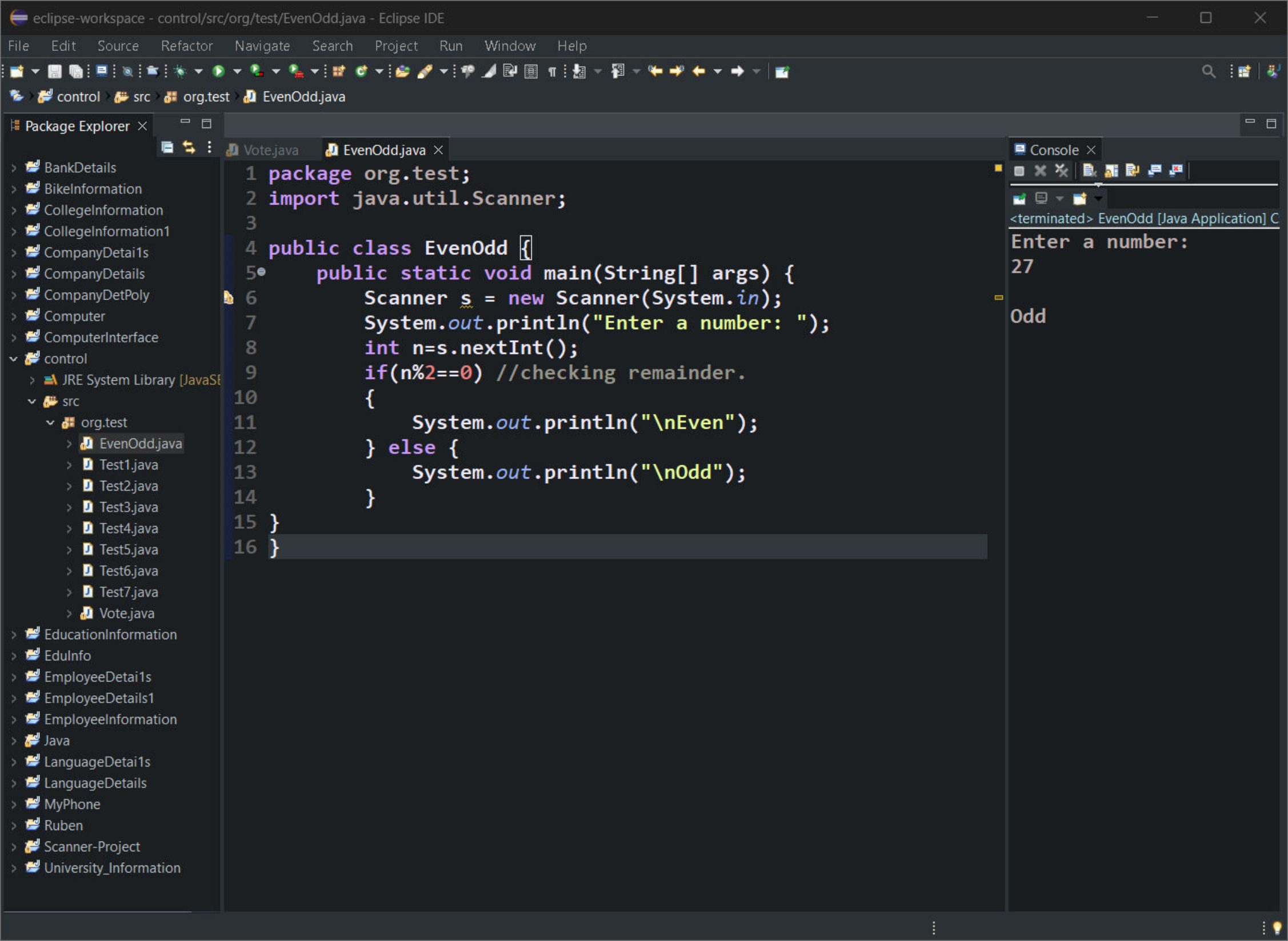
Q9:

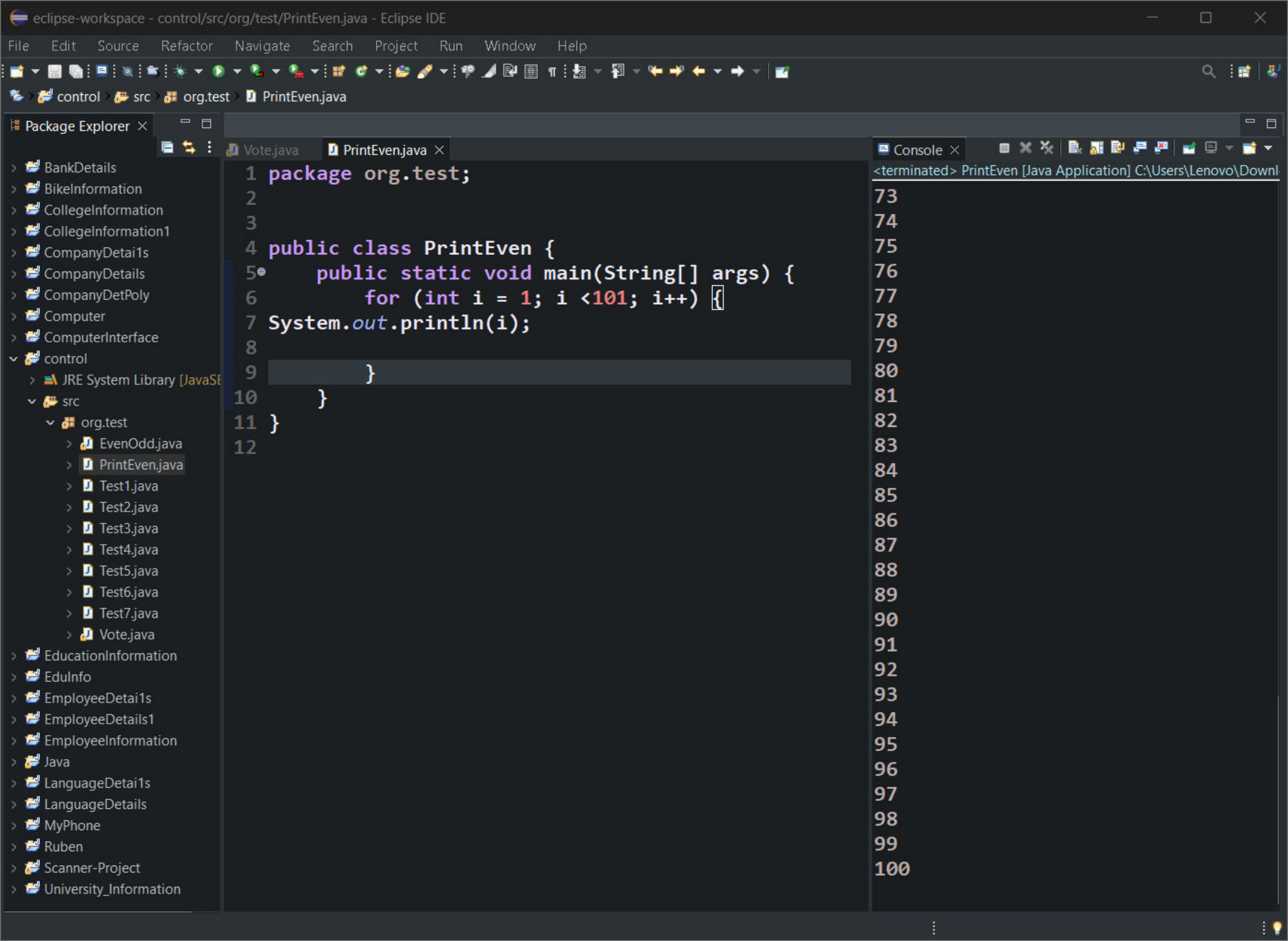
Description: sum of the number

Example :

Input = 123
Output = 6


eclipse-workspace - control/src/org/test/Vote.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
control src org.test Vote.java
Package Explor
BankDetails
BikeInformation
CollegeInformation
CollegeInformation1
CompanyDetai1s
CompanyDetails
CompanyDetPoly
Computer
ComputerInterface
control
JRE System Library [J
src
org.test
Test1.java
Test2.java
Test3.java
Test4.java
Test5.java
Test6.java
Test7.java
Vote.java
EducationInformation
EduInfo
EmployeeDetai1s
EmployeeDetails1
EmployeeInformation
Java
LanguageDetai1s
LanguageDetails
MyPhone
Ruben
Scanner-Project
University_Information
Vote.java
1 package org.test;
2
3 import java.util.Scanner;
4
5 public class Vote {
6 public static void main(String[] args) {
7 Scanner s = new Scanner(System.in);
8 System.out.println("Enter your age: ");
9 int age=s.nextInt();
10 //checking age
11 if(age>=18)
12 {
13 System.out.println("Eligible to vote!");
14 } else if (age<18) {
15 System.out.println("Not eligible to vote!");
16 }
17 }
18 }
19
Console
<terminated> Vote [Java Application]
Enter your age:
55
Eligible to vote!
Writable
Smart Insert
19 : 1 : 376


eclipse-workspace - control/src/org/test/EvenOdd.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
control src org.test EvenOdd.java
Package Explorer
BankDetails
BikeInformation
CollegeInformation
CollegeInformation1
CompanyDetai1s
CompanyDetails
CompanyDetPoly
Computer
ComputerInterface
control
JRE System Library [JavaSE
src
org.test
EvenOdd.java
Test1.java
Test2.java
Test3.java
Test4.java
Test5.java
Test6.java
Test7.java
Vote.java
EducationInformation
EduInfo
EmployeeDetai1s
EmployeeDetails1
EmployeeInformation
Java
LanguageDetai1s
LanguageDetails
MyPhone
Ruben
Scanner-Project
University_Information
Vote.java
EvenOdd.java
1 package org.test;
2 import java.util.Scanner;
3
4 public class EvenOdd {
5 public static void main(String[] args) {
6 Scanner s = new Scanner(System.in);
7 System.out.println("Enter a number: ");
8 int n=s.nextInt();
9 if(n%2==0) //checking remainder.
10 {
11 System.out.println("\nEven");
12 } else {
13 System.out.println("\nOdd");
14 }
15 }
16 }
Console
<terminated> EvenOdd [Java Application] C
Enter a number:
27
Odd


eclipse-workspace - control/src/org/test/PrintEven.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
control src org.test PrintEven.java
Package Explorer
BankDetails
BikeInformation
CollegeInformation
CollegeInformation1
CompanyDetai1s
CompanyDetails
CompanyDetPoly
Computer
ComputerInterface
control
JRE System Library [JavaSE
src
org.test
EvenOdd.java
PrintEven.java
Test1.java
Test2.java
Test3.java
Test4.java
Test5.java
Test6.java
Test7.java
Vote.java
EducationInformation
EduInfo
EmployeeDetai1s
EmployeeDetails1
EmployeeInformation
Java
LanguageDetai1s
LanguageDetails
MyPhone
Ruben
Scanner-Project
University_Information
Vote.java
PrintEven.java
1 package org.test;
2
3
4 public class PrintEven {
5 public static void main(String[] args) {
6 for (int i = 1; i <101; i++) {
7 System.out.println(i);
8
9 }
10 }
11 }
12
Console
<terminated> PrintEven [Java Application] C:\Users\Lenovo\Downl
73
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92
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94
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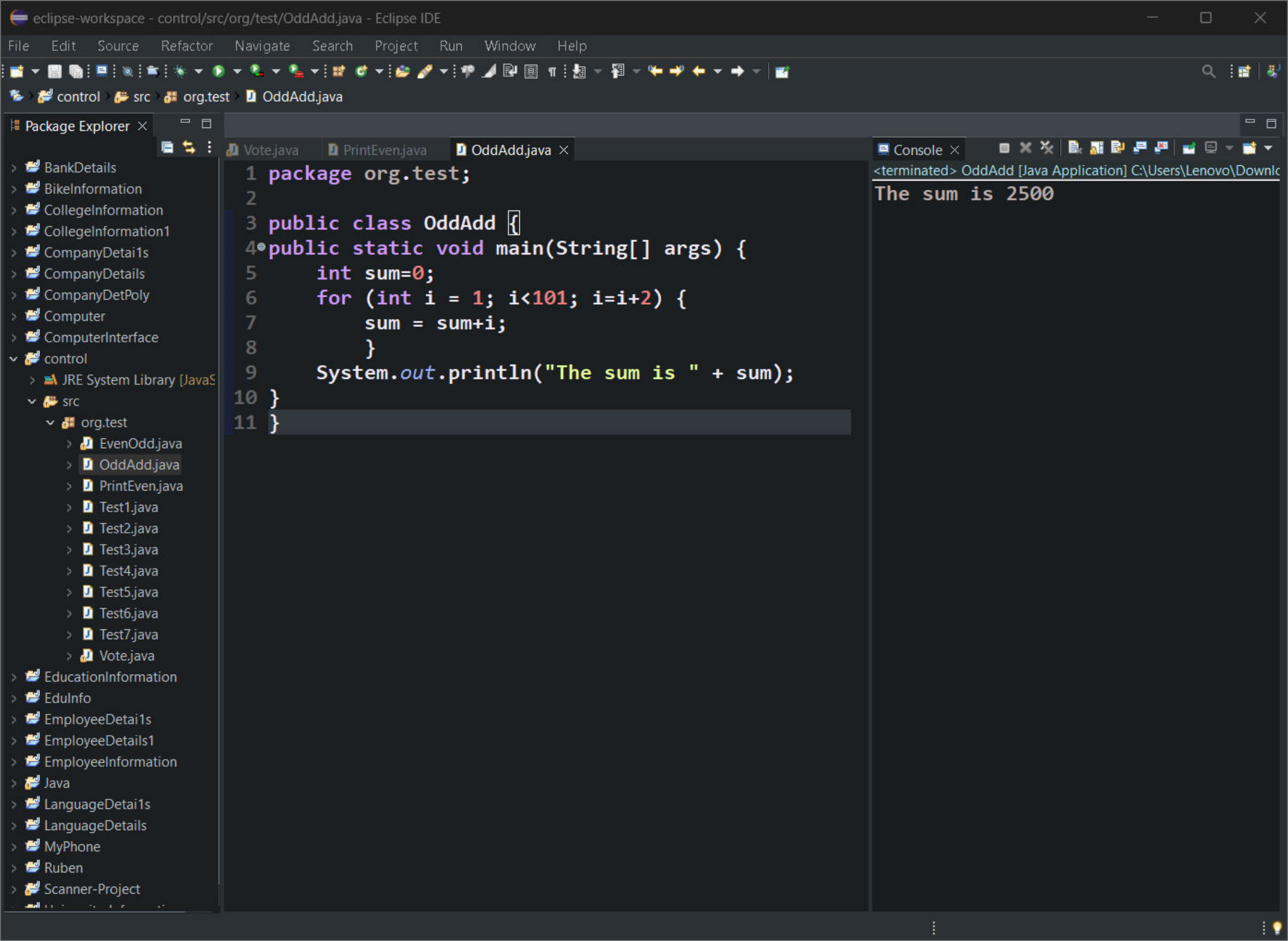
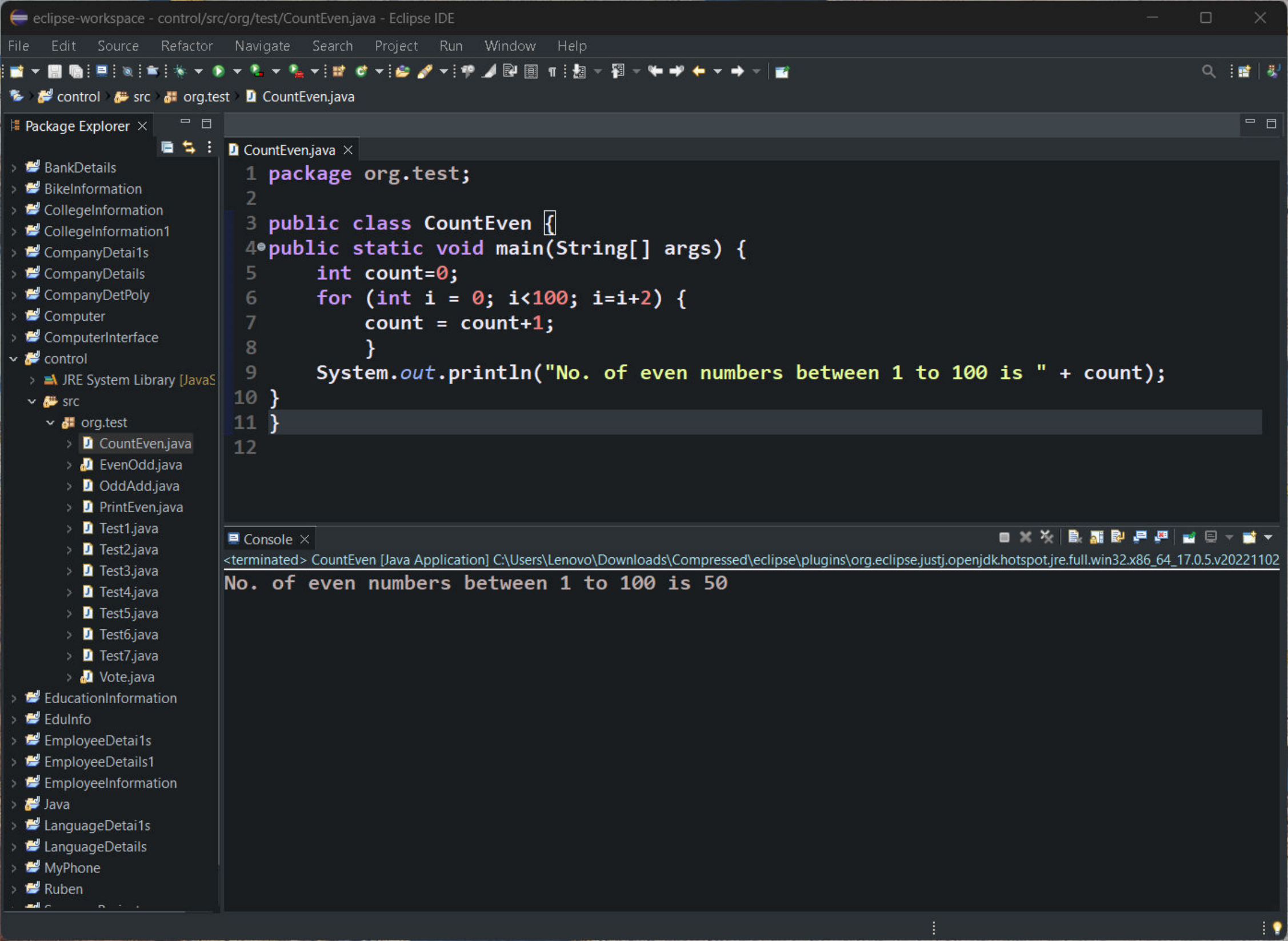
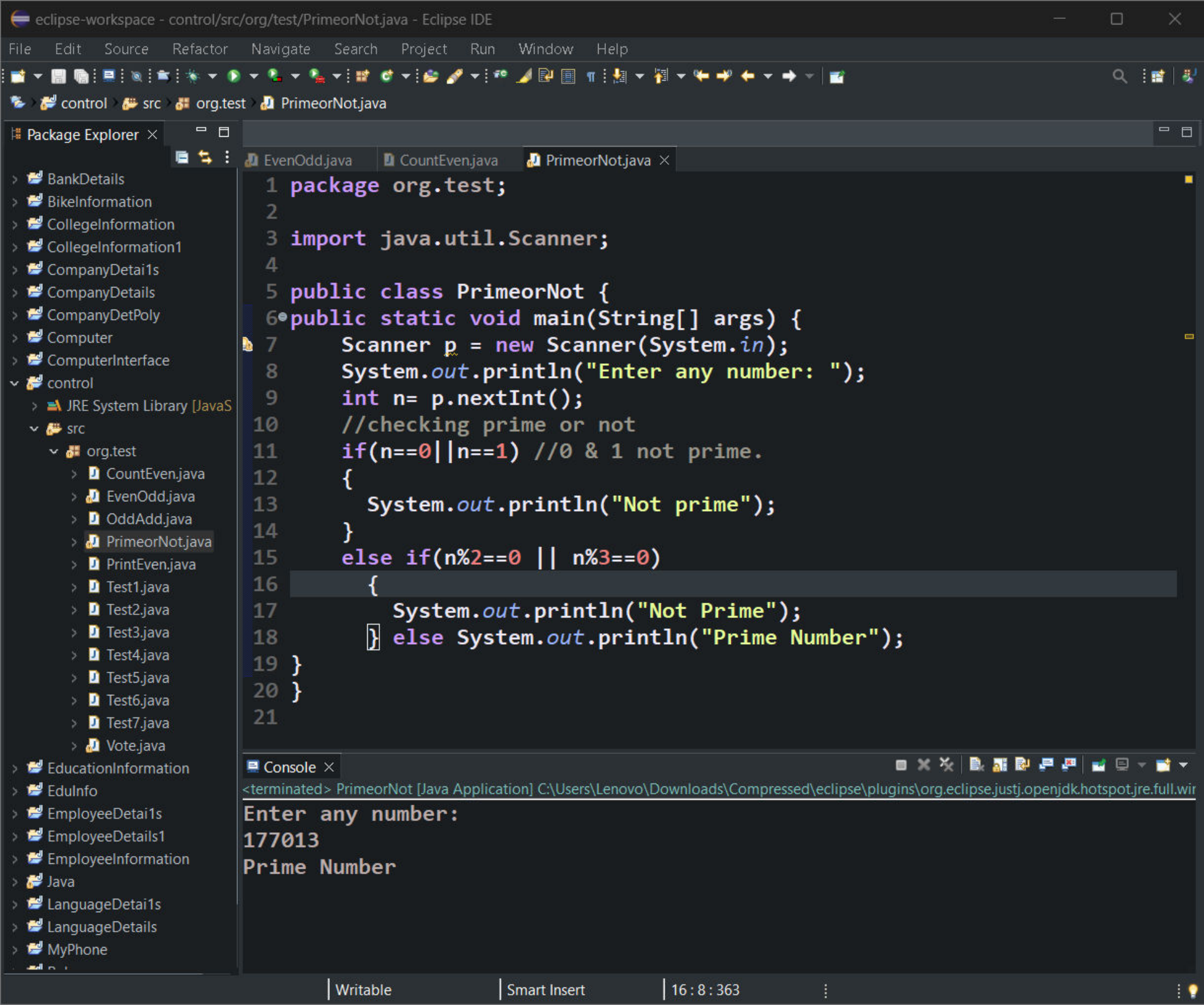
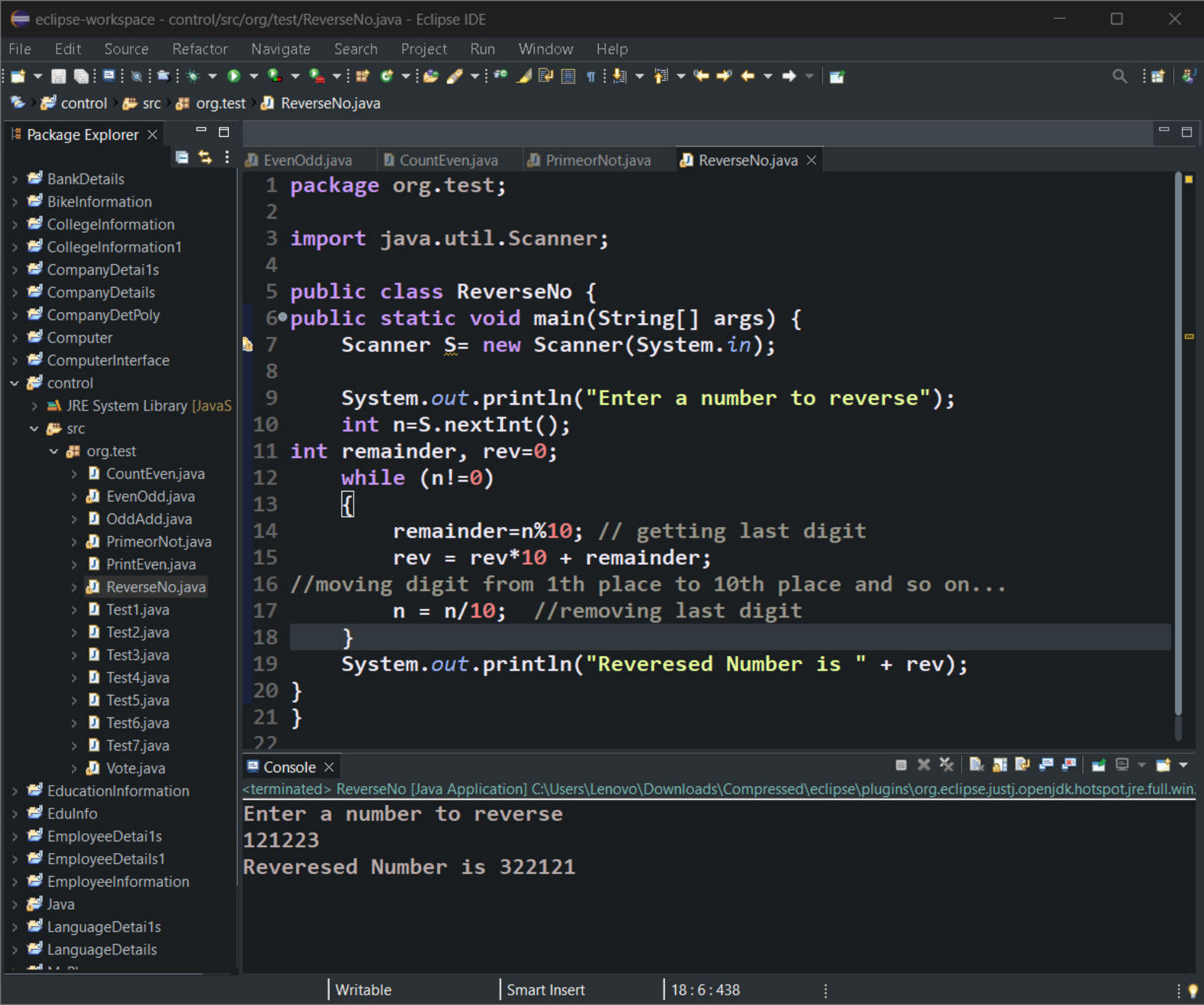
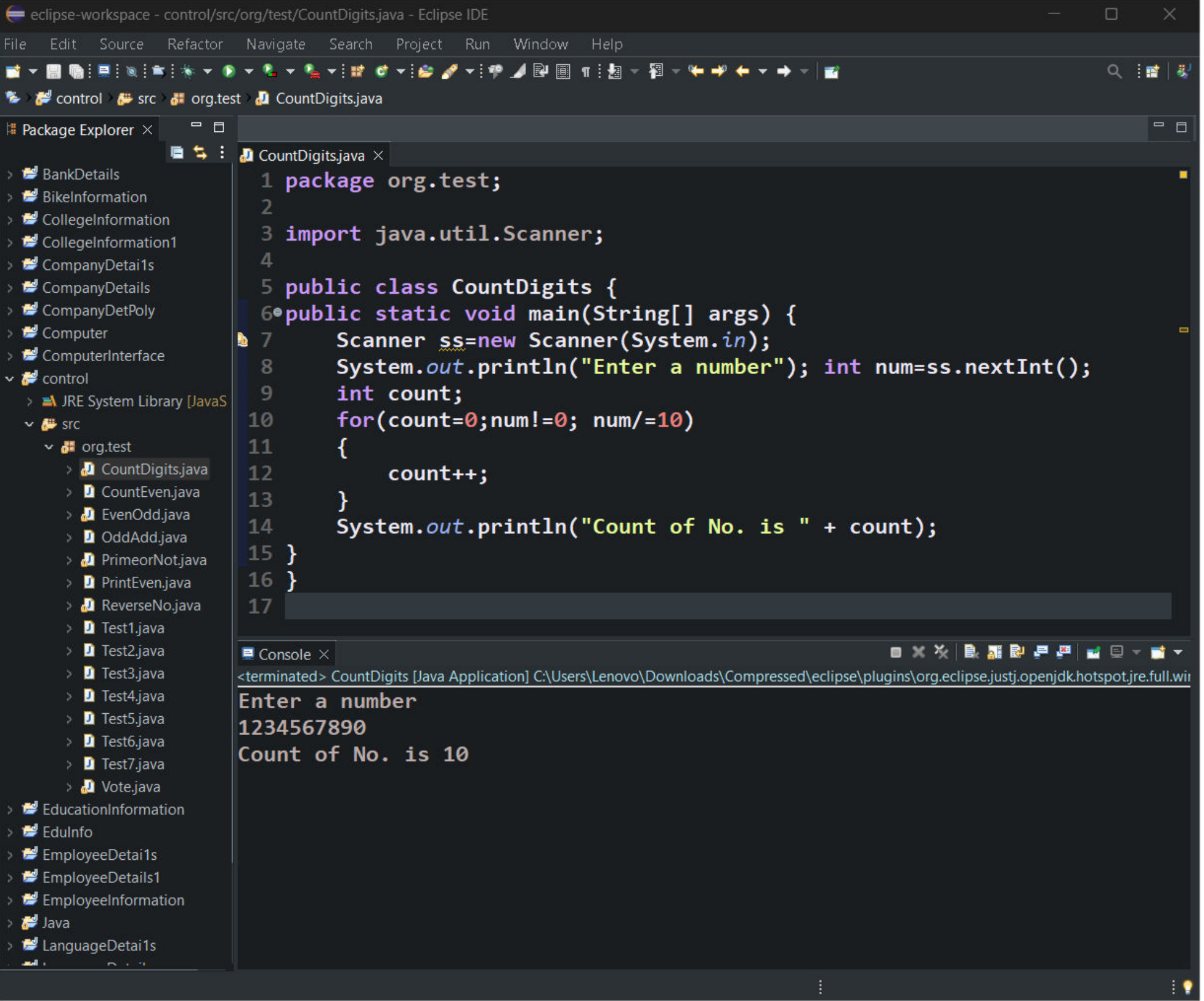
98
99
100


eclipse-workspace - control/src/org/test/OddAdd.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
control src org.test OddAdd.java
Package Explorer
BankDetails
BikeInformation
CollegeInformation
CollegeInformation1
CompanyDetai1s
CompanyDetails
CompanyDetPoly
Computer
ComputerInterface
control
JRE System Library [JavaS
src
org.test
EvenOdd.java
OddAdd.java
PrintEven.java
Test1.java
Test2.java
Test3.java
Test4.java
Test5.java
Test6.java
Test7.java
Vote.java
EducationInformation
EduInfo
EmployeeDetai1s
EmployeeDetails1
EmployeeInformation
Java
LanguageDetai1s
LanguageDetails
MyPhone
Ruben
Scanner-Project
Vote.java
PrintEven.java
OddAdd.java
1 package org.test;
2
3 public class OddAdd {
4 public static void main(String[] args) {
5 int sum=0;
6 for (int i = 1; i<101; i=i+2) {
7 sum = sum+i;
8 }
9 System.out.println("The sum is " + sum);
10 }
11 }
Console
<terminated> OddAdd [Java Application] C:\Users\Lenovo\Downlc
The sum is 2500


eclipse-workspace - control/src/org/test/CountEven.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
control src org.test CountEven.java
Package Explorer
BankDetails
BikeInformation
CollegeInformation
CollegeInformation1
CompanyDetai1s
CompanyDetails
CompanyDetPoly
Computer
ComputerInterface
control
JRE System Library [JavaS
src
org.test
CountEven.java
EvenOdd.java
OddAdd.java
PrintEven.java
Test1.java
Test2.java
Test3.java
Test4.java
Test5.java
Test6.java
Test7.java
Vote.java
EducationInformation
EduInfo
EmployeeDetai1s
EmployeeDetails1
EmployeeInformation
Java
LanguageDetai1s
LanguageDetails
MyPhone
Ruben
CountEven.java
1 package org.test;
2
3 public class CountEven {
4 public static void main(String[] args) {
5 int count=0;
6 for (int i = 0; i<100; i=i+2) {
7 count = count+1;
8 }
9 System.out.println("No. of even numbers between 1 to 100 is " + count);
10 }
11 }
12
Console
<terminated> CountEven [Java Application] C:\Users\Lenovo\Downloads\Compressed\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.5.v20221102
No. of even numbers between 1 to 100 is 50


eclipse-workspace - control/src/org/test/PrimeorNot.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
control src org.test PrimeorNot.java
Package Explorer
BankDetails
BikeInformation
CollegeInformation
CollegeInformation1
CompanyDetai1s
CompanyDetails
CompanyDetPoly
Computer
ComputerInterface
control
JRE System Library [JavaS
src
org.test
CountEven.java
EvenOdd.java
OddAdd.java
PrimeorNot.java
PrintEven.java
Test1.java
Test2.java
Test3.java
Test4.java
Test5.java
Test6.java
Test7.java
Vote.java
EducationInformation
EduInfo
EmployeeDetai1s
EmployeeDetails1
EmployeeInformation
Java
LanguageDetai1s
LanguageDetails
MyPhone
EvenOdd.java
CountEven.java
PrimeorNot.java
1 package org.test;
2
3 import java.util.Scanner;
4
5 public class PrimeorNot {
6 public static void main(String[] args) {
7 Scanner p = new Scanner(System.in);
8 System.out.println("Enter any number: ");
9 int n= p.nextInt();
10 //checking prime or not
11 if(n==0||n==1) //0 & 1 not prime.
12 {
13 System.out.println("Not prime");
14 }
15 else if(n%2==0 || n%3==0)
16 {
17 System.out.println("Not Prime");
18 } else System.out.println("Prime Number");
19 }
20 }
21
Console
<terminated> PrimeorNot [Java Application] C:\Users\Lenovo\Downloads\Compressed\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.wir
Enter any number:
177013
Prime Number
Writable
Smart Insert
16 : 8 : 363


eclipse-workspace - control/src/org/test/ReverseNo.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
control src org.test ReverseNo.java
Package Explorer
BankDetails
BikeInformation
CollegeInformation
CollegeInformation1
CompanyDetai1s
CompanyDetails
CompanyDetPoly
Computer
ComputerInterface
control
JRE System Library [JavaS
src
org.test
CountEven.java
EvenOdd.java
OddAdd.java
PrimeorNot.java
PrintEven.java
ReverseNo.java
Test1.java
Test2.java
Test3.java
Test4.java
Test5.java
Test6.java
Test7.java
Vote.java
EducationInformation
EduInfo
EmployeeDetai1s
EmployeeDetails1
EmployeeInformation
Java
LanguageDetai1s
LanguageDetails
EvenOdd.java
CountEven.java
PrimeorNot.java
ReverseNo.java
1 package org.test;
2
3 import java.util.Scanner;
4
5 public class ReverseNo {
6 public static void main(String[] args) {
7 Scanner S= new Scanner(System.in);
8
9 System.out.println("Enter a number to reverse");
10 int n=S.nextInt();
11 int remainder, rev=0;
12 while (n!=0)
13 {
14 remainder=n%10; // getting last digit
15 rev = rev*10 + remainder;
16 //moving digit from 1th place to 10th place and so on...
17 n = n/10; //removing last digit
18 }
19 System.out.println("Reveresed Number is " + rev);
20 }
21 }
22
Console
<terminated> ReverseNo [Java Application] C:\Users\Lenovo\Downloads\Compressed\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win
Enter a number to reverse
121223
Reveresed Number is 322121
Writable
Smart Insert
18 : 6 : 438


eclipse-workspace - control/src/org/test/CountDigits.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
control src org.test CountDigits.java
Package Explorer
BankDetails
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CollegeInformation1
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CompanyDetails
CompanyDetPoly
Computer
ComputerInterface
control
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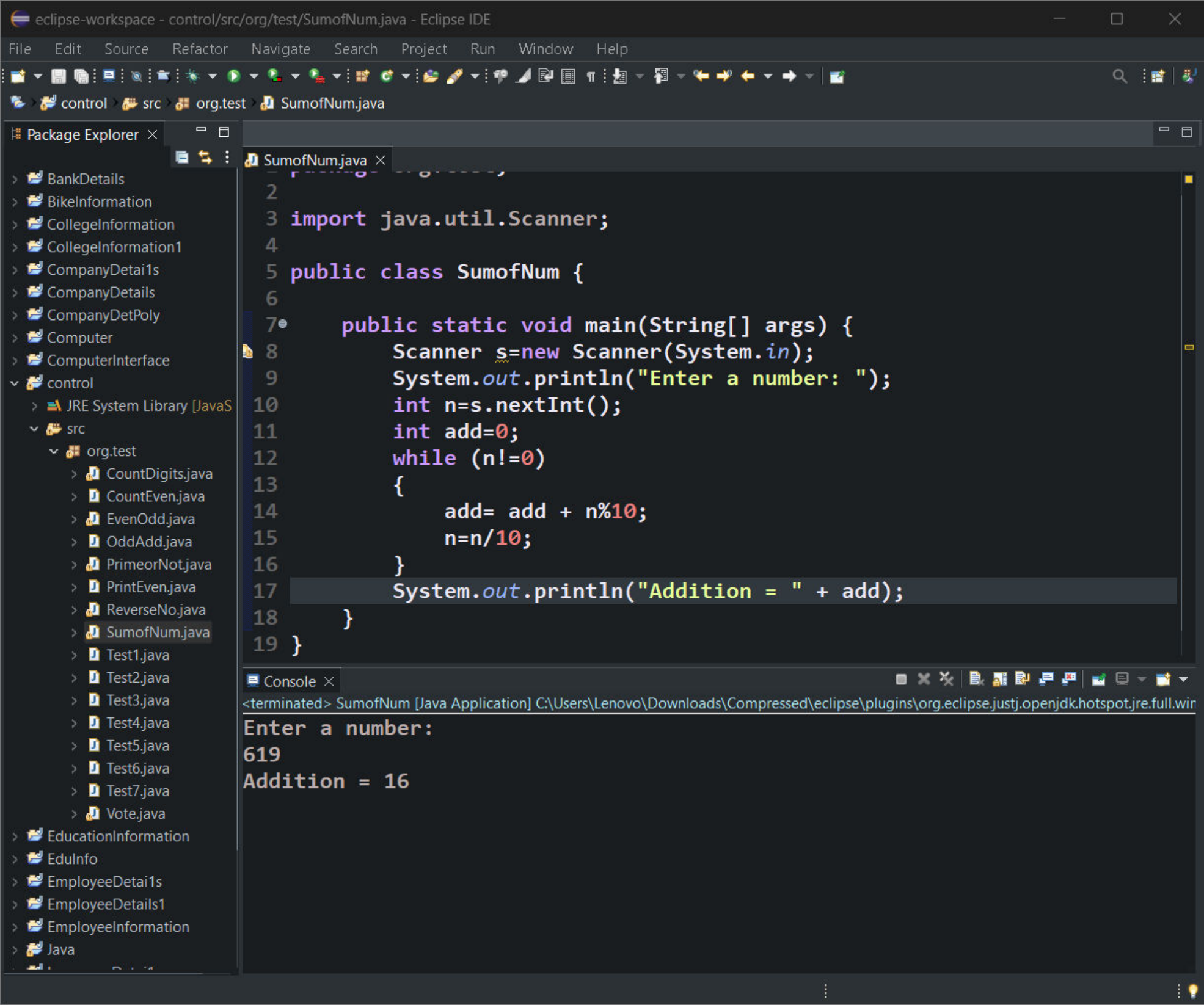
Test6.java
Test7.java
Vote.java
EducationInformation
EduInfo
EmployeeDetai1s
EmployeeDetails1
EmployeeInformation
Java
LanguageDetai1s
CountDigits.java
1 package org.test;
2
3 import java.util.Scanner;
4
5 public class CountDigits {
6 public static void main(String[] args) {
7 Scanner ss=new Scanner(System.in);
8 System.out.println("Enter a number"); int num=ss.nextInt();
9 int count;
10 for(count=0;num!=0; num/=10)
11 {
12 count++;
13 }
14 System.out.println("Count of No. is " + count);
15 }
16 }
17
Console
<terminated> CountDigits [Java Application] C:\Users\Lenovo\Downloads\Compressed\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.wi
Enter a number
1234567890
Count of No. is 10


eclipse-workspace - control/src/org/test/SumofNum.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
control src org.test SumofNum.java
Package Explorer
BankDetails
BikeInformation
CollegeInformation
CollegeInformation1
CompanyDetai1s
CompanyDetails
CompanyDetPoly
Computer
ComputerInterface
control
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src
org.test
CountDigits.java
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Test3.java
Test4.java
Test5.java
Test6.java
Test7.java
Vote.java
EducationInformation
EduInfo
EmployeeDetai1s
EmployeeDetails1
EmployeeInformation
Java
SumofNum.java
2
3 import java.util.Scanner;
4
5 public class SumofNum {
6
7 public static void main(String[] args) {
8 Scanner s=new Scanner(System.in);
9 System.out.println("Enter a number: ");
10 int n=s.nextInt();
11 int add=0;
12 while (n!=0)
13 {
14 add= add + n%10;
15 n=n/10;
16 }
17 System.out.println("Addition = " + add);
18 }
19 }
Console
<terminated> SumofNum [Java Application] C:\Users\Lenovo\Downloads\Compressed\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win
Enter a number:
619
Addition = 16