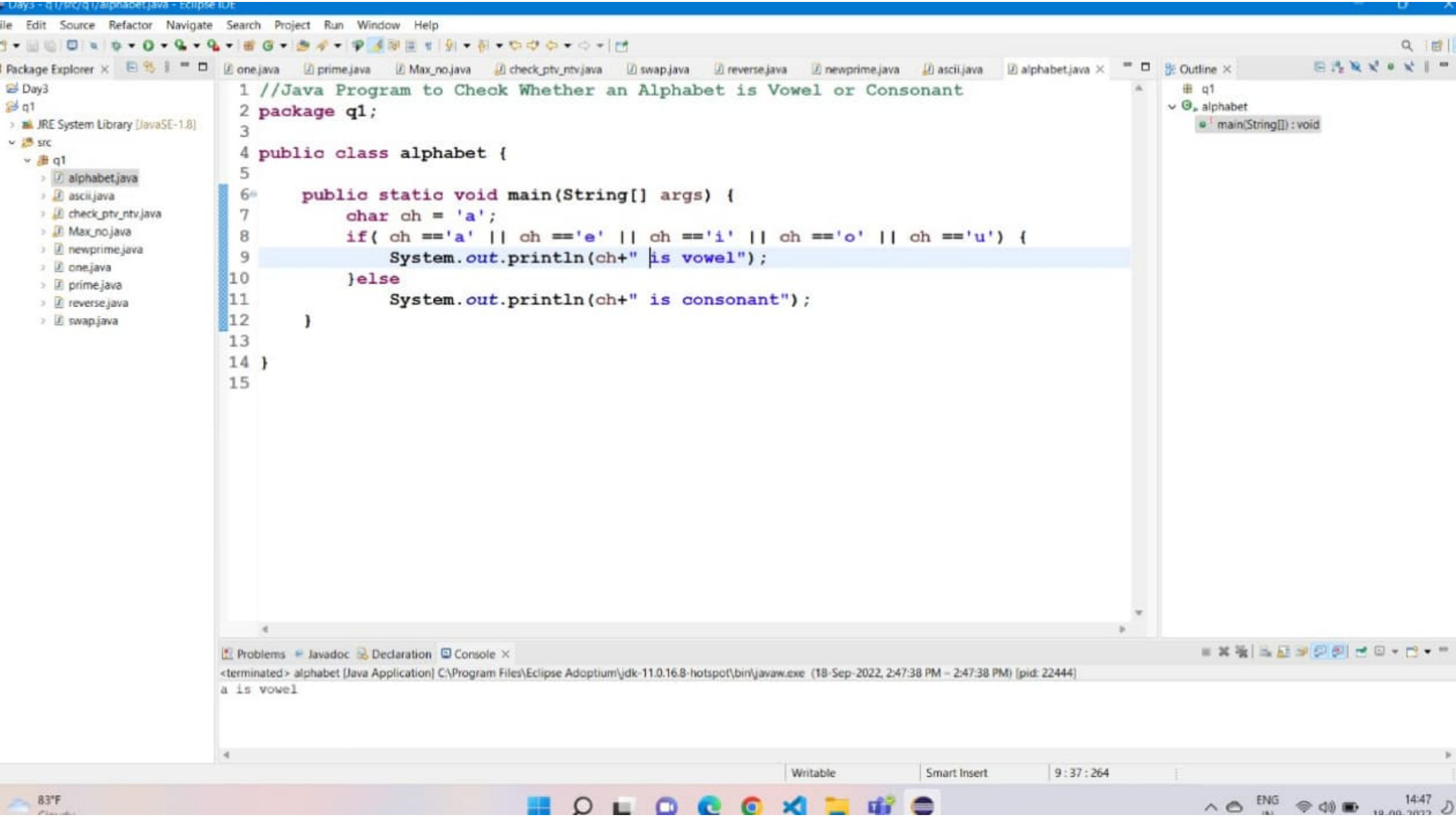
```
//Java Program to Check Whether an Alphabet is Vowel or Consonant
package q1;

public class alphabet {

	public static void main(String[] args) {
		char ch = 'a';
		if( ch =='a' || ch =='e' || ch =='i' || ch =='o' || ch =='u')
{
			System.out.println(ch+" is vowel");
		}else
			System.out.println(ch+" is consonant");
	}

}
output:-a is vowel
================================================================================
=
//3. WAP to find  ASCII value of a character
package q1;

public class ascii {

	public static void main(String[] args) {
		char ch = 'a';
		int num = ch;

		int castInt = (int) ch;
		System.out.println("Ascii value of a = "+ castInt);

	}

}

optput:-Ascii value of a = 97
================================================================================
//5 Check if a Number is Positive or Negative using if else
package q1;

import java.util.Scanner;

public class check_ptv_ntv {

	public static void main(String[] args) {
		System.out.println("enter the number");
		int num;
		Scanner ma=new Scanner(System.in);
		num=ma.nextInt();

		if(num>0)
			System.out.println("The number is positive num= "+num);
		else
			System.out.println("The number is negative num= "+num);
```

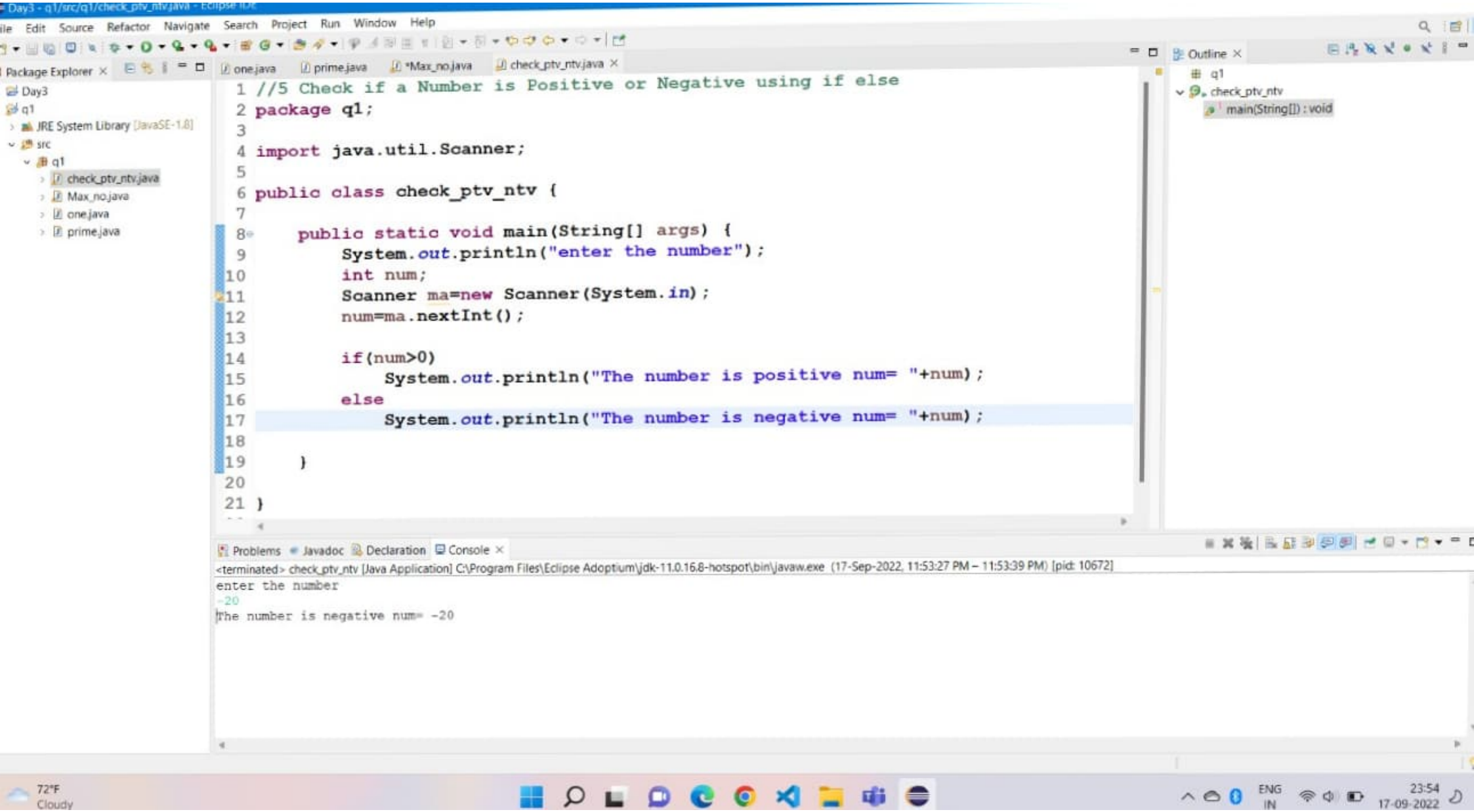
```
	}

}

output:-enter the number
-20
The number is negative num= -20
================================================================================
=
//Q 2 Write a program in java that ask three numbers from
//user and print the greatest among three .
package q1;
import java.util.Scanner;
public class Max_no
{
	public static void main(String[] args)
	{	int num1,num2,num3;
	System.out.println("Enter three number");
	Scanner ma=new Scanner(System.in);
	num1=ma.nextInt();
	num2=ma.nextInt();
	num3=ma.nextInt();
		if(num1>num2) {

			if(num1>num3)
				System.out.println("Greter number is num1=
"+num1);
				else
					System.out.println("Greter number is num3=
"+num3);
		}	else
			if(num2>num3)
				System.out.println("Greter number is num2=
"+num2);
				else
					System.out.println("Greter number is num3=
"+num3);
		}}
output:-Enter three number
10
20
30
Greter number is num3= 30
================================================================================
====================
Q  9 wap to check if a number is prime or not
package q1;

public class newprime {

	public static void main(String[] args) {
		int num=17,i;
		int flag =0;
		for(i=2;i<= num/2;i++) {
```

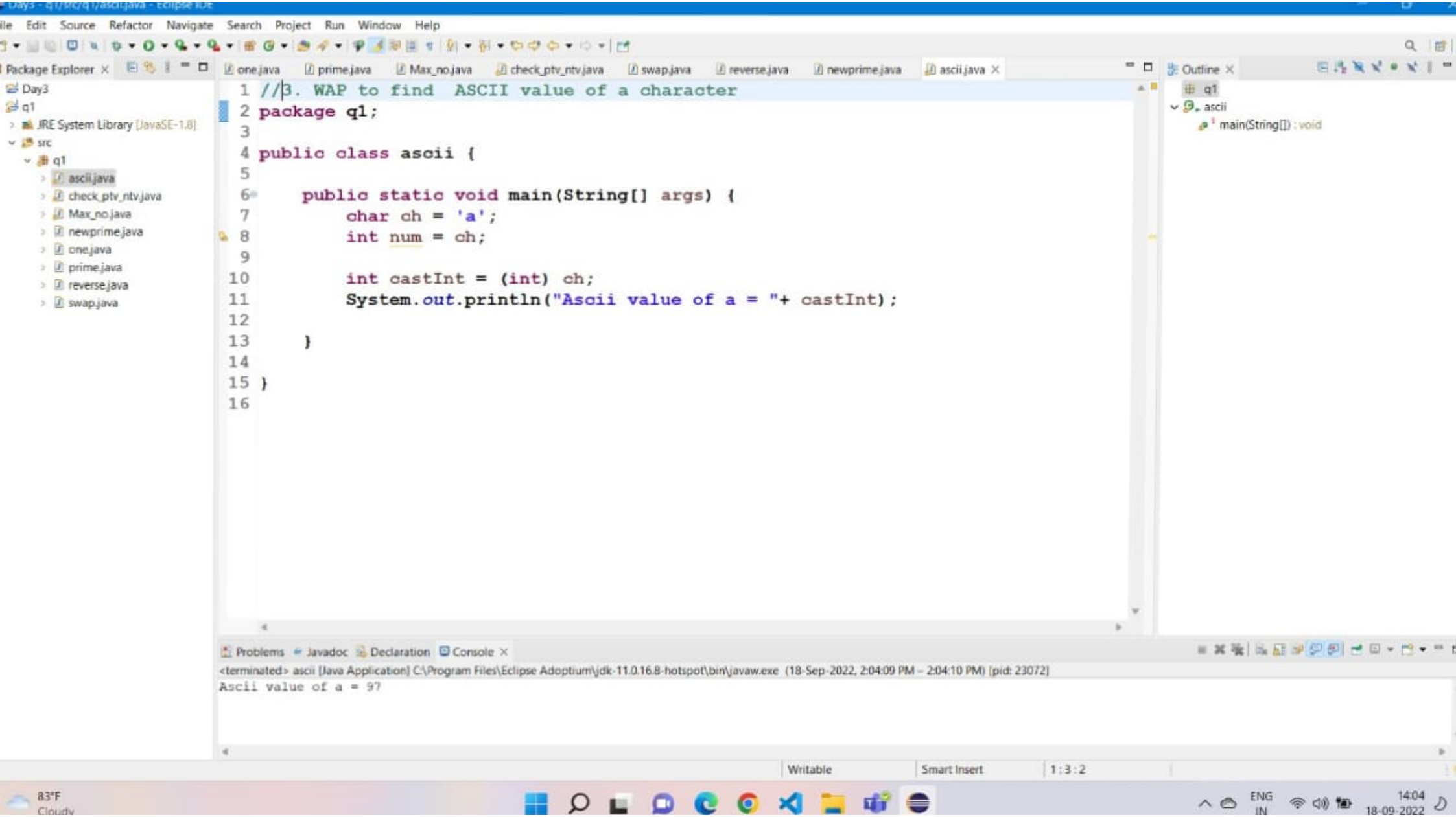
```
                if(num % i==0) {
                       flag =1;
                      break;
                }
          }

                if( flag==1)
                      System.out.println("prime ");
                      else
                            System.out.println(" not prime ");

                }
          }
      output:- not prime
================================================================================
============================
//Q 8 wap to print even numbers between 10 to 20
package q1;

public class one {

      public static void main(String[] args) {
            int i;
            for(i=10;i<20;i++)
            {
                  if(i % 2==0)
                        System.out.println("even no "+i);
            }
      }

}
output:-
even no 10
even no 12
even no 14
even no 16
even no 18
================================================================================
==================
//Q 9 wap to check if a number is prime or not
package q1;
public class prime {
      public static void main(String[] args) {
                  int num = 11;
                  int flag = 0;
                  for (int i = 2; i <= num / 2; i++) {

                    if (num % i == 0) {
                      flag = 1;
                      break;
                    }
                  }
                  if (flag ==1)
```

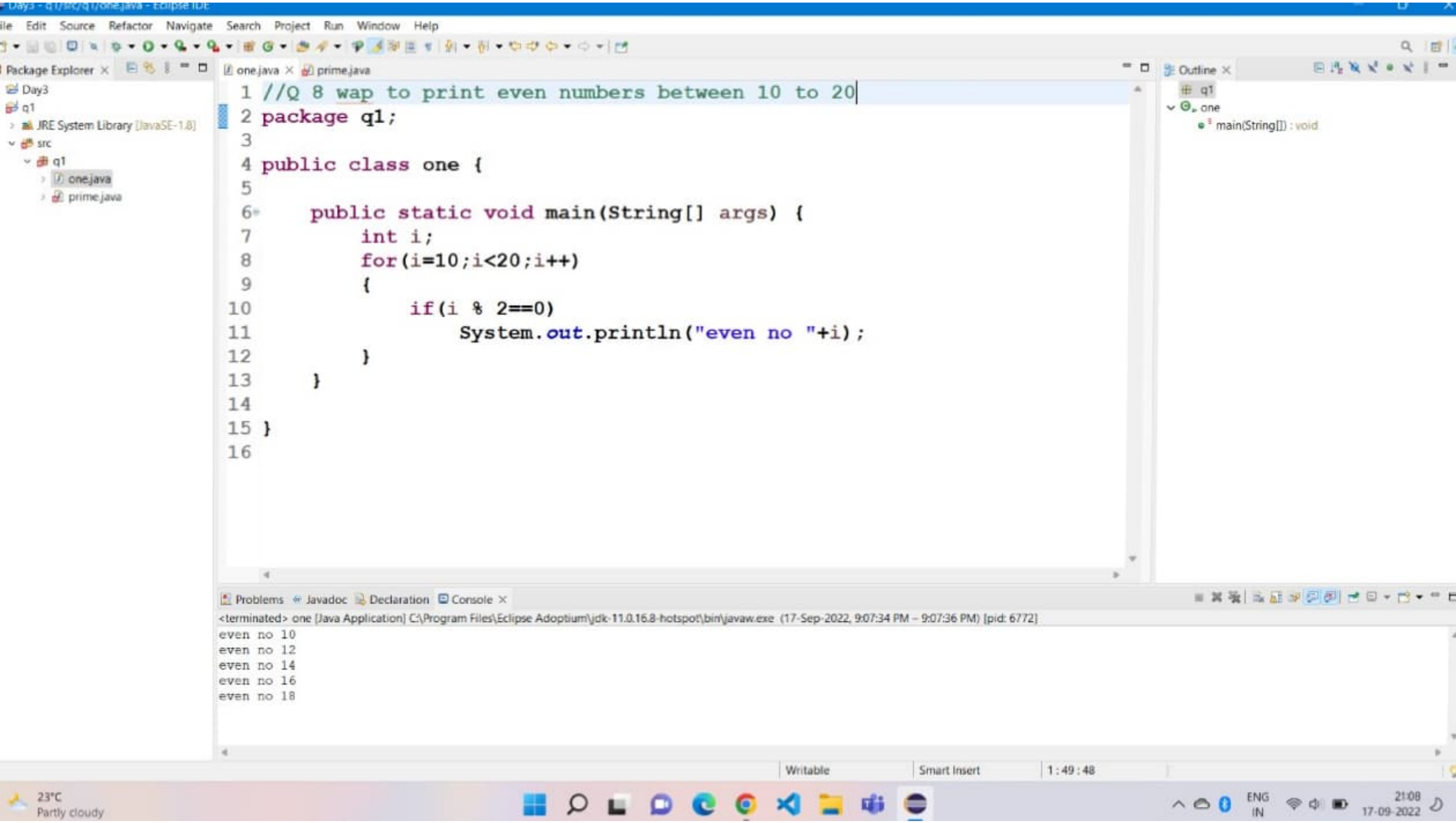
```
                    System.out.println(num + " is a prime number.");
                  else
                    System.out.println(num + " is not a prime
number.");
                }
              }
output:-11 is not a prime number.
================================================================================
==============
Q 10 wap to reverse a given digit   123   321
package q1;
public class reverse {

      public static void main(String[] args) {
            {int num= 123, reverse = 0 ;
            while(num!=0) {
                  int remainder = num % 10;
                  reverse = reverse * 10 + remainder;
                  num = num /10;
                  }

                  System.out.println("The reverse of the given number is:
" + reverse);
            }
            {int num= 321, reverse = 0 ;
            while(num!=0) {
                  int remainder = num % 10;
                  reverse = reverse * 10 + remainder;
                  num = num /10;
                  }

                  System.out.println("The reverse of the given number is:
" + reverse);
            }

            }
            }
output:-The reverse of the given number is: 321
        The reverse of the given number is: 123
================================================================================
======================
/6 WAP for swapping two numbers without using third variable
package q1;

public class swap {

      public static void main(String[] args) {
            int x = 10, y = 20;
            System.out.println("Before swapping :- x =" +x +" y =" +y);

            x=x+y;
            y=x-y;
            x=x-y;
```

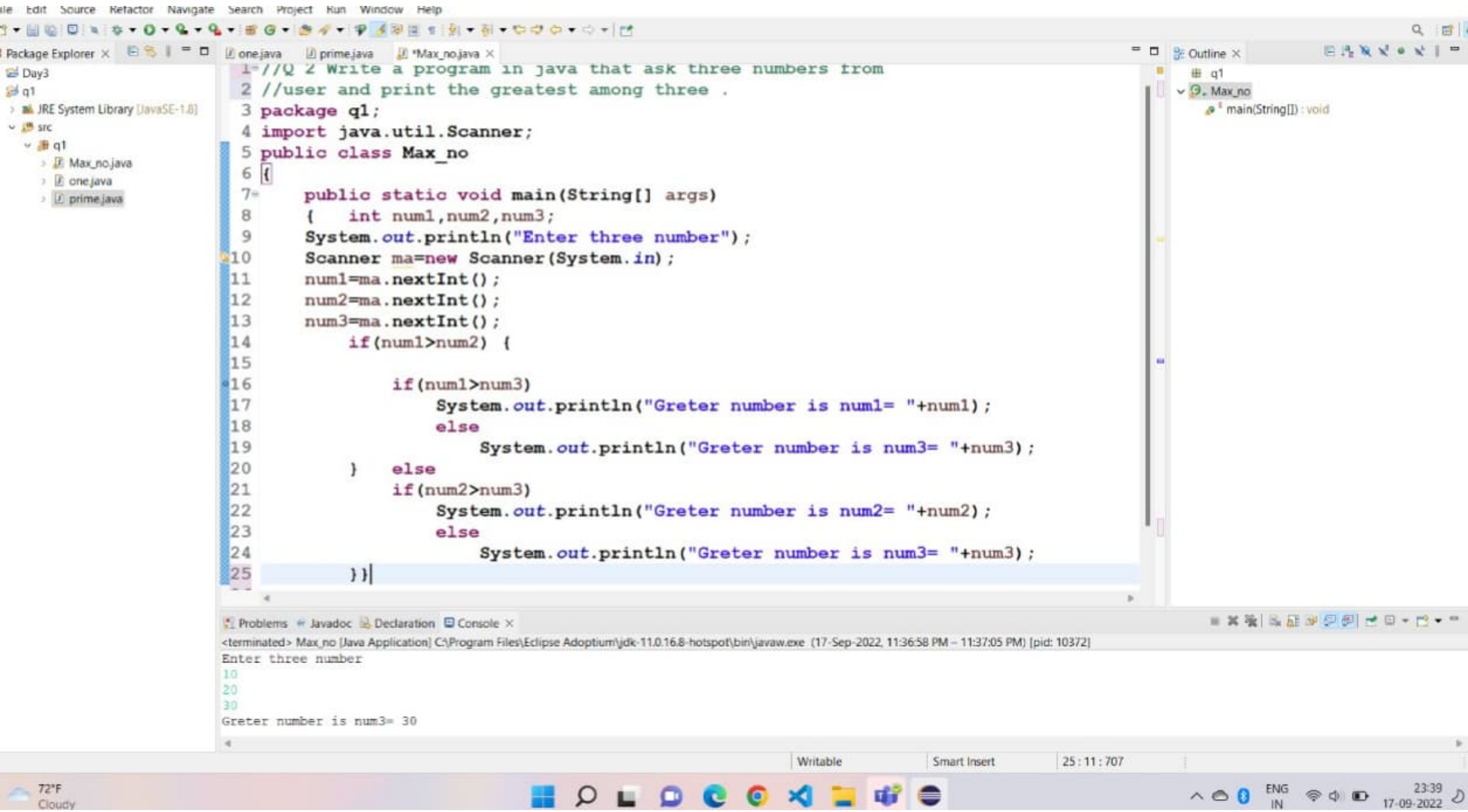
```
            System.out.println("After swapping :- x =" +x +" y =" +y);

      }

}
output:-Before swapping :- x =10 y =20
        After swapping :- x =20 y =10
================================================================================
============================
```

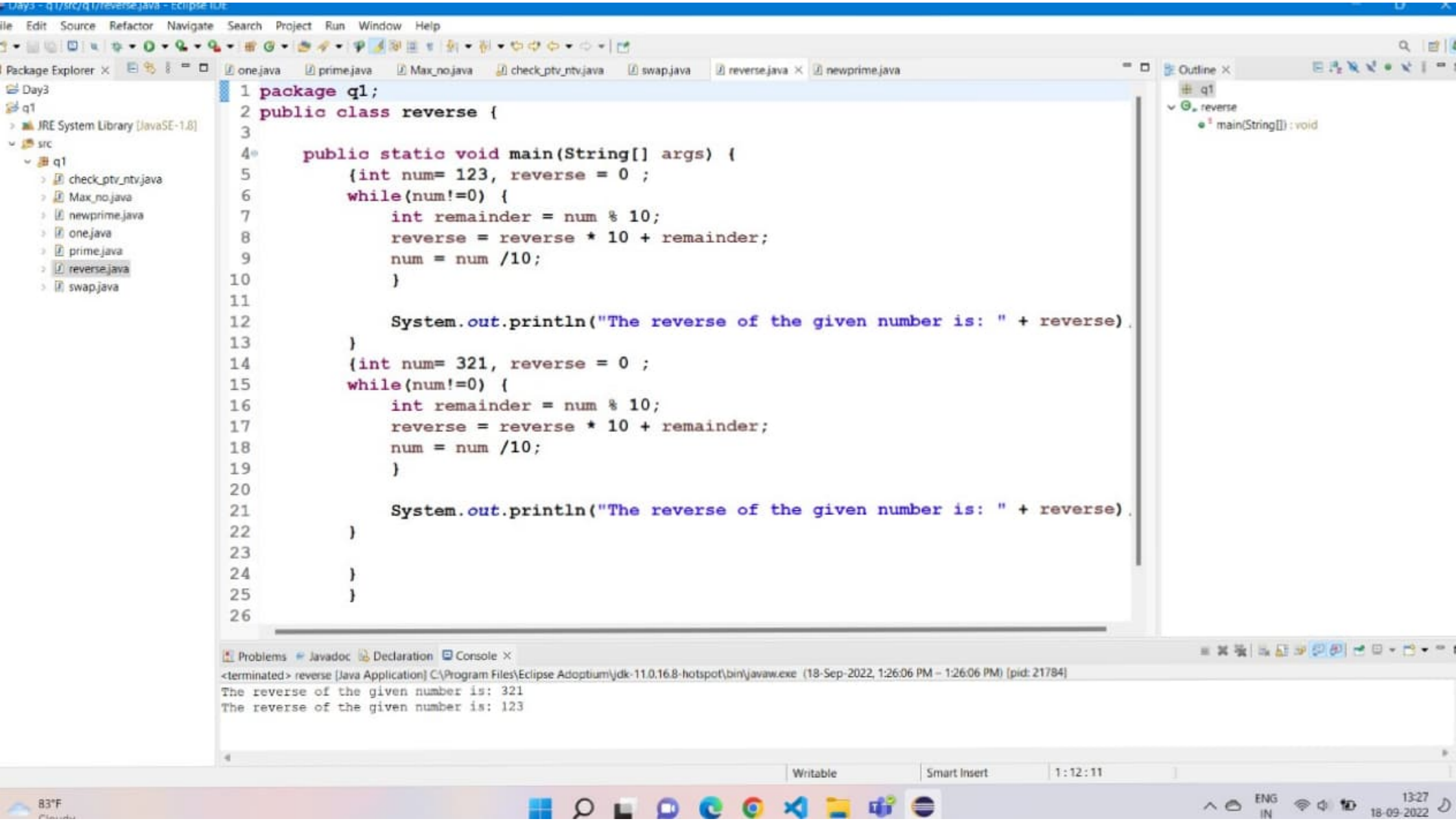

Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer
Day3
q1
JRE System Library [JavaSE-1.8]
src
q1
alphabet.java
ascii.java
check_ptv_ntv.java
Max_no.java
newprime.java
one.java
prime.java
reverse.java
swap.java
one.java
prime.java
Max_no.java
check_ptv_ntv.java
swap.java
reverse.java
newprime.java
ascii.java
alphabet.java
1 //Java Program to Check Whether an Alphabet is Vowel or Consonant
2 package q1;
3
4 public class alphabet {
5
6 public static void main(String[] args) {
7 char ch = 'a';
8 if(ch =='a' || ch =='e' || ch =='i' || ch =='o' || ch =='u') {
9 System.out.println(ch+" is vowel");
10 }else
11 System.out.println(ch+" is consonant");
12 }
13
14 }
15
Outline
q1
alphabet
main(String[]) : void
Problems
Javadoc
Declaration
Console
<terminated> alphabet [Java Application] C:\Program Files\Eclipse Adoptium\jdk-11.0.16.8-hotspot\bin\javaw.exe (18-Sep-2022, 2:47:38 PM – 2:47:38 PM) [pid: 22444]
a is vowel
Writable
Smart Insert
9 : 37 : 264
83°F
ENG
14:47

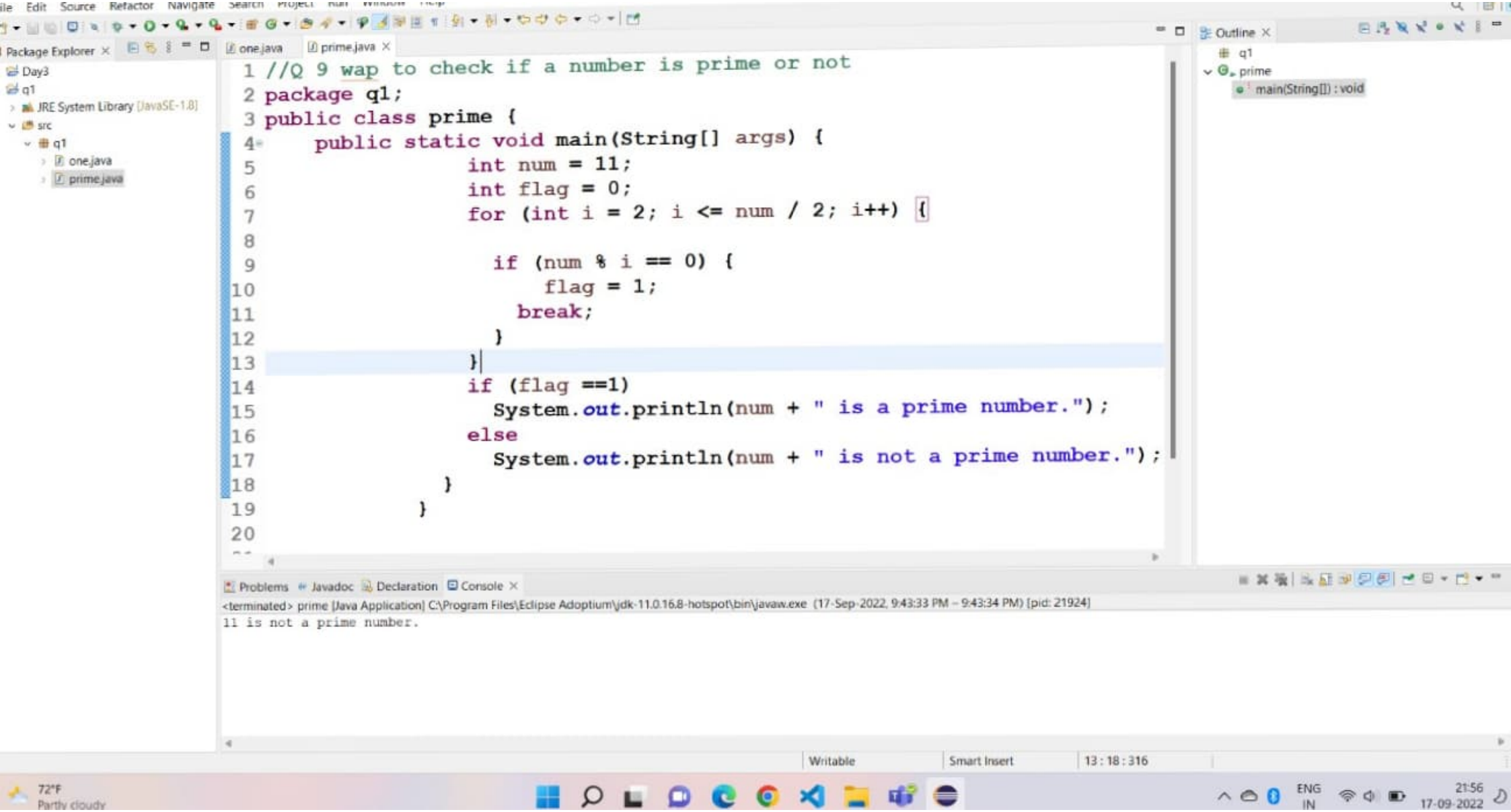

Day3 - q1/src/q1/check_ptv_ntv.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer
Day3
q1
JRE System Library [JavaSE-1.8]
src
q1
check_ptv_ntv.java
Max_no.java
one.java
prime.java
one.java
prime.java
*Max_no.java
check_ptv_ntv.java
1 //5 Check if a Number is Positive or Negative using if else
2 package q1;
3
4 import java.util.Scanner;
5
6 public class check_ptv_ntv {
7
8 public static void main(String[] args) {
9 System.out.println("enter the number");
10 int num;
11 Scanner ma=new Scanner(System.in);
12 num=ma.nextInt();
13
14 if(num>0)
15 System.out.println("The number is positive num= "+num);
16 else
17 System.out.println("The number is negative num= "+num);
18
19 }
20
21 }
Outline
q1
check_ptv_ntv
main(String[]) : void
Problems Javadoc Declaration Console
<terminated> check_ptv_ntv [Java Application] C:\Program Files\Eclipse Adoptium\jdk-11.0.16.8-hotspot\bin\javaw.exe (17-Sep-2022, 11:53:27 PM – 11:53:39 PM) [pid: 10672]
enter the number
-20
The number is negative num= -20
72°F
Cloudy
ENG
IN
23:54
17-09-2022

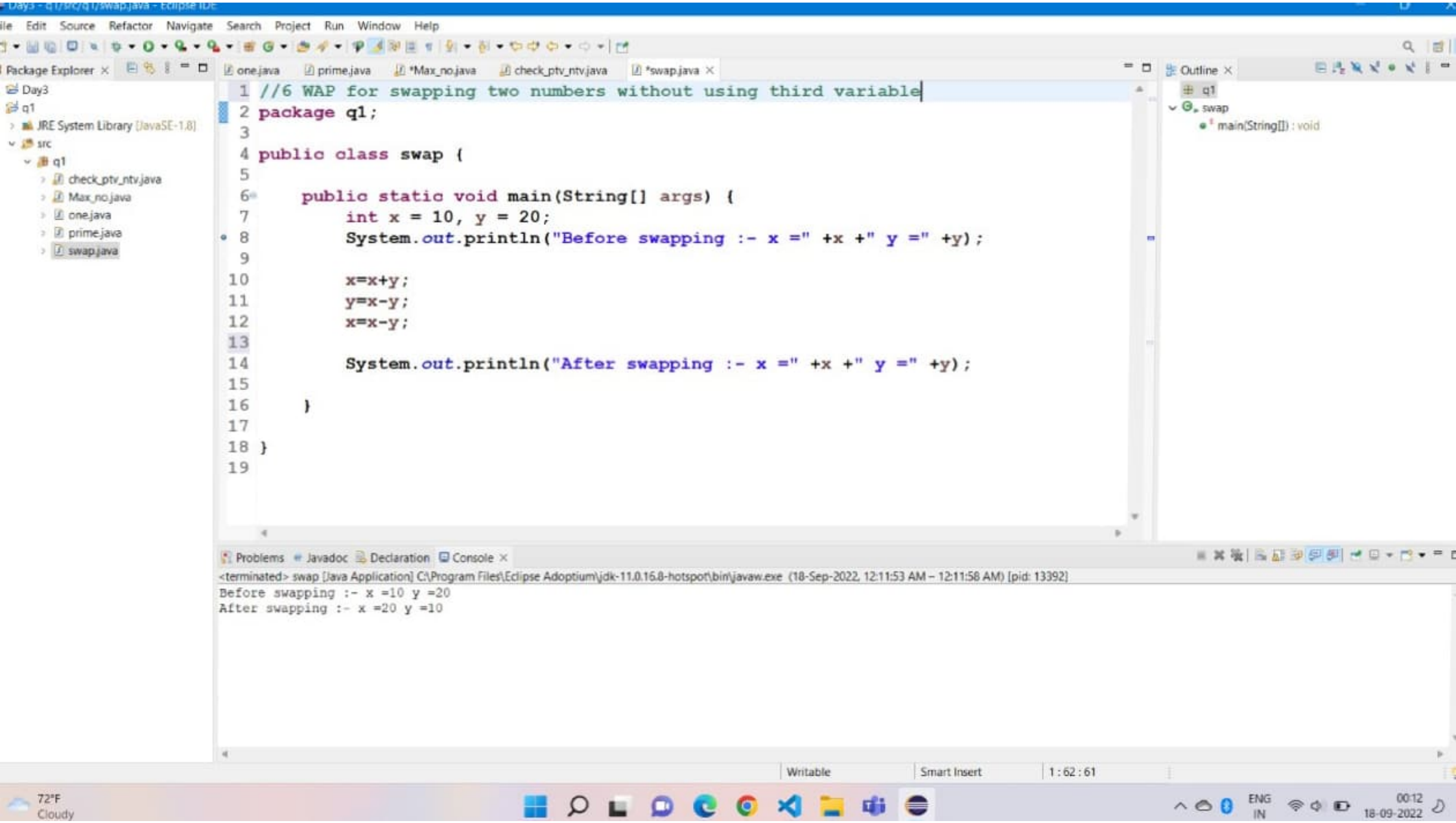

File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer
Day3
q1
JRE System Library [JavaSE-1.8]
src
q1
ascii.java
check_ptv_ntv.java
Max_no.java
newprime.java
one.java
prime.java
reverse.java
swap.java
one.java
prime.java
Max_no.java
check_ptv_ntv.java
swap.java
reverse.java
newprime.java
ascii.java
1 //3. WAP to find ASCII value of a character
2 package q1;
3
4 public class ascii {
5
6 public static void main(String[] args) {
7 char ch = 'a';
8 int num = ch;
9
10 int castInt = (int) ch;
11 System.out.println("Ascii value of a = "+ castInt);
12
13 }
14
15 }
16
Outline
q1
ascii
main(String[]) : void
Problems
Javadoc
Declaration
Console
<terminated> ascii [Java Application] C:\Program Files\Eclipse Adoptium\jdk-11.0.16.8-hotspot\bin\javaw.exe (18-Sep-2022, 2:04:09 PM – 2:04:10 PM) [pid: 23072]
Ascii value of a = 97
Writable
Smart Insert
1 : 3 : 2
83°F
Cloudy
ENG
IN
14:04
18-09-2022


Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer
Day3
q1
JRE System Library [JavaSE-1.8]
src
q1
one.java
prime.java
one.java
prime.java
1 //Q 8 wap to print even numbers between 10 to 20
2 package q1;
3
4 public class one {
5
6 public static void main(String[] args) {
7 int i;
8 for(i=10;i<20;i++)
9 {
10 if(i % 2==0)
11 System.out.println("even no "+i);
12 }
13 }
14
15 }
16
Outline
q1
one
main(String[]) : void
Problems Javadoc Declaration Console
<terminated> one [Java Application] C:\Program Files\Eclipse Adoptium\jdk-11.0.16.8-hotspot\bin\javaw.exe (17-Sep-2022, 9:07:34 PM – 9:07:36 PM) [pid: 6772]
even no 10
even no 12
even no 14
even no 16
even no 18
Writable
Smart Insert
1 : 49 : 48
23°C
Partly cloudy
ENG
IN
21:08
17-09-2022


Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer
Day3
q1
JRE System Library [JavaSE-1.8]
src
q1
Max_no.java
one.java
prime.java
one.java
prime.java
*Max_no.java
//Q 2 Write a program in java that ask three numbers from
//user and print the greatest among three .
package q1;
import java.util.Scanner;
public class Max_no
{
public static void main(String[] args)
{ int num1,num2,num3;
System.out.println("Enter three number");
Scanner ma=new Scanner(System.in);
num1=ma.nextInt();
num2=ma.nextInt();
num3=ma.nextInt();
if(num1>num2) {
if(num1>num3)
System.out.println("Greter number is num1= "+num1);
else
System.out.println("Greter number is num3= "+num3);
} else
if(num2>num3)
System.out.println("Greter number is num2= "+num2);
else
System.out.println("Greter number is num3= "+num3);
}}
Outline
q1
Max_no
main(String[]) : void
Problems
Javadoc
Declaration
Console
<terminated> Max_no [Java Application] C:\Program Files\Eclipse Adoptium\jdk-11.0.16.8-hotspot\bin\javaw.exe (17-Sep-2022, 11:36:58 PM – 11:37:05 PM) [pid: 10372]
Enter three number
10
20
30
Greter number is num3= 30
Writable
Smart Insert
25 : 11 : 707
72°F
Cloudy
ENG
IN
23:39
17-09-2022

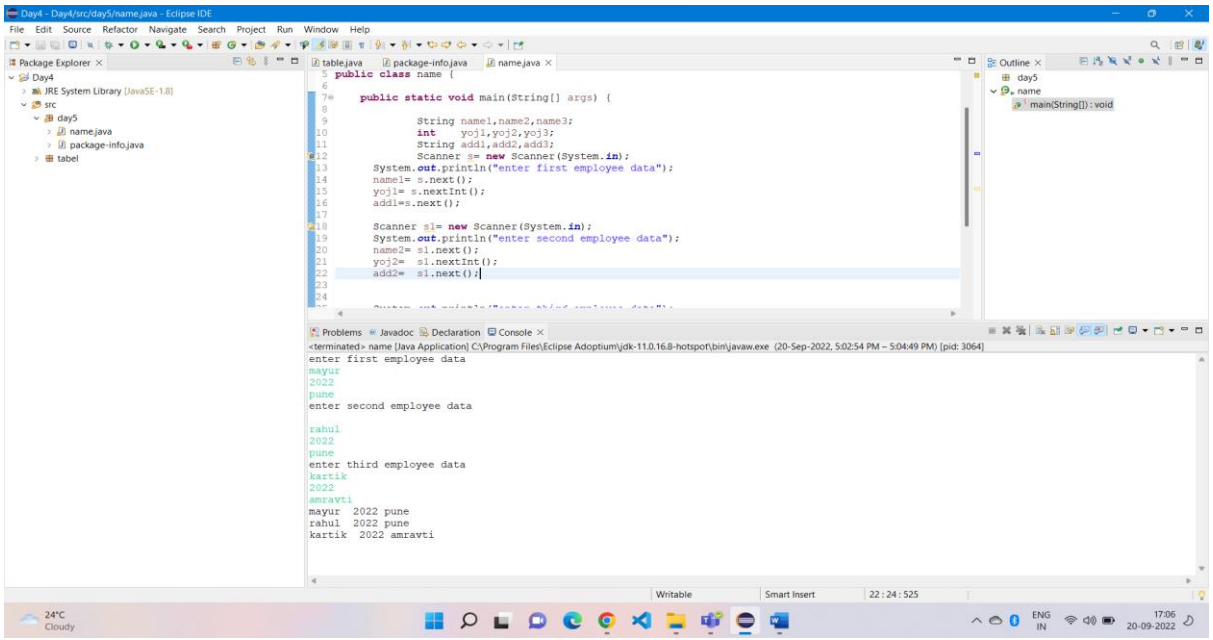

Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer
Day3
q1
JRE System Library [JavaSE-1.8]
src
q1
check_ptv_ntv.java
Max_no.java
newprime.java
one.java
prime.java
reverse.java
swap.java
one.java prime.java Max_no.java check_ptv_ntv.java swap.java reverse.java newprime.java
1 package q1;
2 public class reverse {
3
4 public static void main(String[] args) {
5 {int num= 123, reverse = 0 ;
6 while(num!=0) {
7 int remainder = num % 10;
8 reverse = reverse * 10 + remainder;
9 num = num /10;
10 }
11
12 System.out.println("The reverse of the given number is: " + reverse);
13 }
14 {int num= 321, reverse = 0 ;
15 while(num!=0) {
16 int remainder = num % 10;
17 reverse = reverse * 10 + remainder;
18 num = num /10;
19 }
20
21 System.out.println("The reverse of the given number is: " + reverse);
22 }
23
24 }
25 }
26
Outline
q1
reverse
main(String[]) : void
Problems Javadoc Declaration Console
<terminated> reverse [Java Application] C:\Program Files\Eclipse Adoptium\jdk-11.0.16.8-hotspot\bin\javaw.exe (18-Sep-2022, 1:26:06 PM – 1:26:06 PM) [pid: 21784]
The reverse of the given number is: 321
The reverse of the given number is: 123
Writable
Smart Insert
1 : 12 : 11
83°F
ENG
IN
13:27
18-09-2022


Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer
Day3
q1
JRE System Library [JavaSE-1.8]
src
q1
one.java
prime.java
one.java
prime.java
1 //Q 9 wap to check if a number is prime or not
2 package q1;
3 public class prime {
4 public static void main(String[] args) {
5 int num = 11;
6 int flag = 0;
7 for (int i = 2; i <= num / 2; i++) {
8
9 if (num % i == 0) {
10 flag = 1;
11 break;
12 }
13 }
14 if (flag ==1)
15 System.out.println(num + " is a prime number.");
16 else
17 System.out.println(num + " is not a prime number.");
18 }
19 }
20
Outline
q1
prime
main(String[]) : void
Problems Javadoc Declaration Console
<terminated> prime [Java Application] C:\Program Files\Eclipse Adoptium\jdk-11.0.16.8-hotspot\bin\javaw.exe (17-Sep-2022, 9:43:33 PM – 9:43:34 PM) [pid: 21924]
11 is not a prime number.
Writable
Smart Insert
13 : 18 : 316
72°F
Partly cloudy
ENG
IN
21:56
17-09-2022


Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer
Day3
q1
JRE System Library [JavaSE-1.8]
src
q1
check_ptv_ntv.java
Max_no.java
one.java
prime.java
swap.java
one.java
prime.java
*Max_no.java
check_ptv_ntv.java
*swap.java
1 //6 WAP for swapping two numbers without using third variable
2 package q1;
3
4 public class swap {
5
6 public static void main(String[] args) {
7 int x = 10, y = 20;
8 System.out.println("Before swapping :- x =" +x +" y =" +y);
9
10 x=x+y;
11 y=x-y;
12 x=x-y;
13
14 System.out.println("After swapping :- x =" +x +" y =" +y);
15
16 }
17
18 }
19
Outline
q1
swap
main(String[]) : void
Problems Javadoc Declaration Console
<terminated> swap [Java Application] C:\Program Files\Eclipse Adoptium\jdk-11.0.16.8-hotspot\bin\javaw.exe (18-Sep-2022, 12:11:53 AM – 12:11:58 AM) [pid: 13392]
Before swapping :- x =10 y =20
After swapping :- x =20 y =10
Writable
Smart Insert
1 : 62 : 61
72°F
Cloudy
ENG
IN
00:12
18-09-2022

7 Write a program that would print the information (name,
year of joining, salary, address) of three employees by creating a class named
'Employee'. The output should be as follows:

```
package day5;

import java.util.Scanner;

public class name {

	public static void main(String[] args) {

			String name1,name2,name3;
			int    yoj1,yoj2,yoj3;
			String add1,add2,add3;
			Scanner s= new Scanner(System.in);
	  System.out.println("enter first employee data");
	  name1= s.next();
	  yoj1= s.nextInt();
	  add1=s.next();

	  Scanner s1= new Scanner(System.in);
	  System.out.println("enter second employee data");
	  name2= s1.next();
	  yoj2=  s1.nextInt();
	  add2=  s1.next();


	  System.out.println("enter third employee data");
	  name3= s.next();
	  yoj3= s.nextInt();
	  add3=s.next();

	  System.out.println(name1+ "   "+ yoj1+" "+ add1);
	  System.out.println(name2+ "   "+ yoj2+" "+ add2);
	  System.out.println(name3+ "   "+ yoj3+" "+ add3);
	}

}
```



8 WAP to input basic salary of an employee and calculate its
Gross salary according to following:

```
package day5;

import java.util.Scanner;

public class Q8 {

	public static void main(String[] args) {
		Scanner s= new Scanner(System.in);
		 int x;
		 System.out.println("Enter Basic Salary of the employee");
		 x= s.nextInt();
		 if(x<=10000)
		 System.out.println("Gross salary is" + (x+x*0.2+x*0.8));
		 else if(x<=20000)
		 System.out.println("Gross salary is" + (x+x*0.25+x*0.9));
		 else
		 System.out.println("Gross salary is" + (x+x*0.3+x*0.95));

	}

}
```