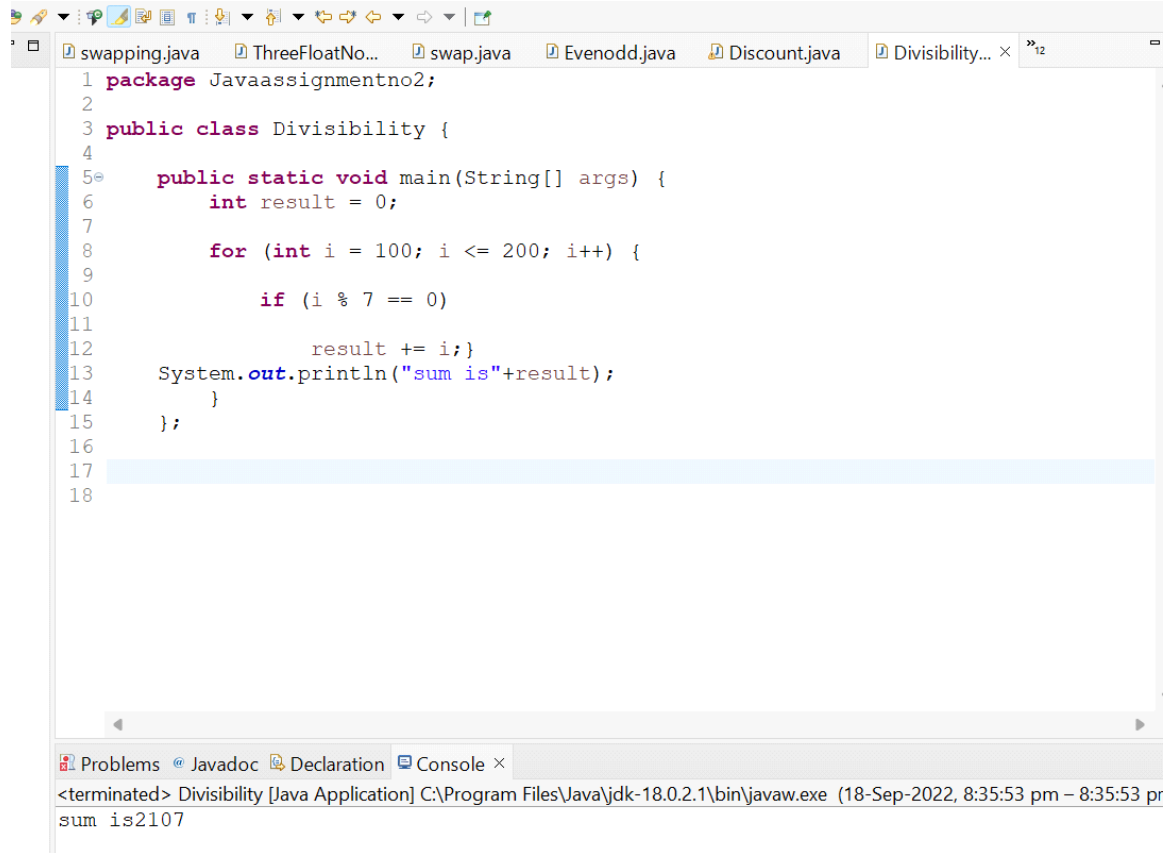Amol Chemate - java Assignment no 2.

Q1. Write a program to find sum

of all integers greater than 100 and less than 200 that are divisible by 7.
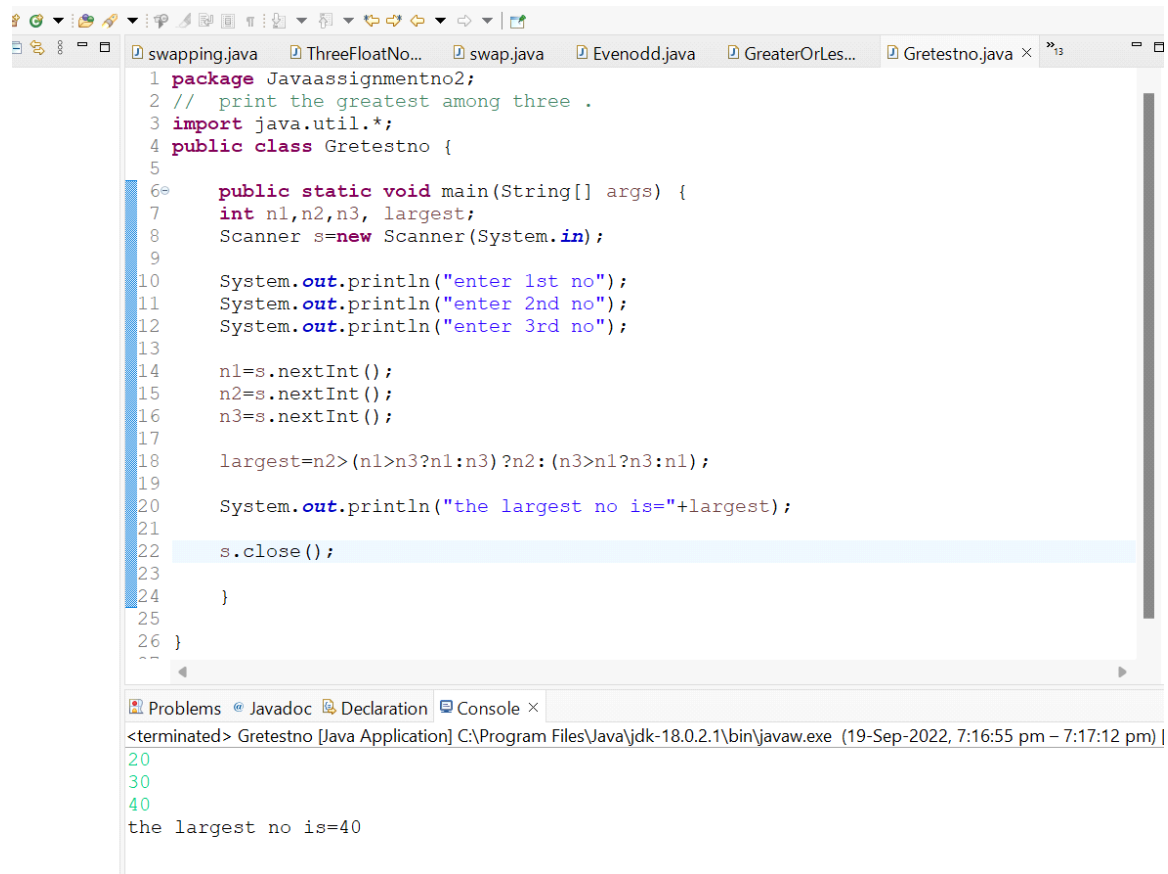
```
package Javaassignmentno2;

public class Divisibility {

    public static void main(String[] args) {
        int result = 0;

        for (int i = 100; i <= 200; i++) {

            if (i % 7 == 0)

                result += i;}
        System.out.println("sum is"+result);
        }
    };
```

Problems Javadoc Declaration Console ×
<terminated> Divisibility [Java Application] C:\Program Files\Java\jdk-18.0.2.1\bin\javaw.exe (18-Sep-2022, 8:35:53 pm – 8:35:53 pr
sum is2107

 2 Write a program in java that ask three numbers from
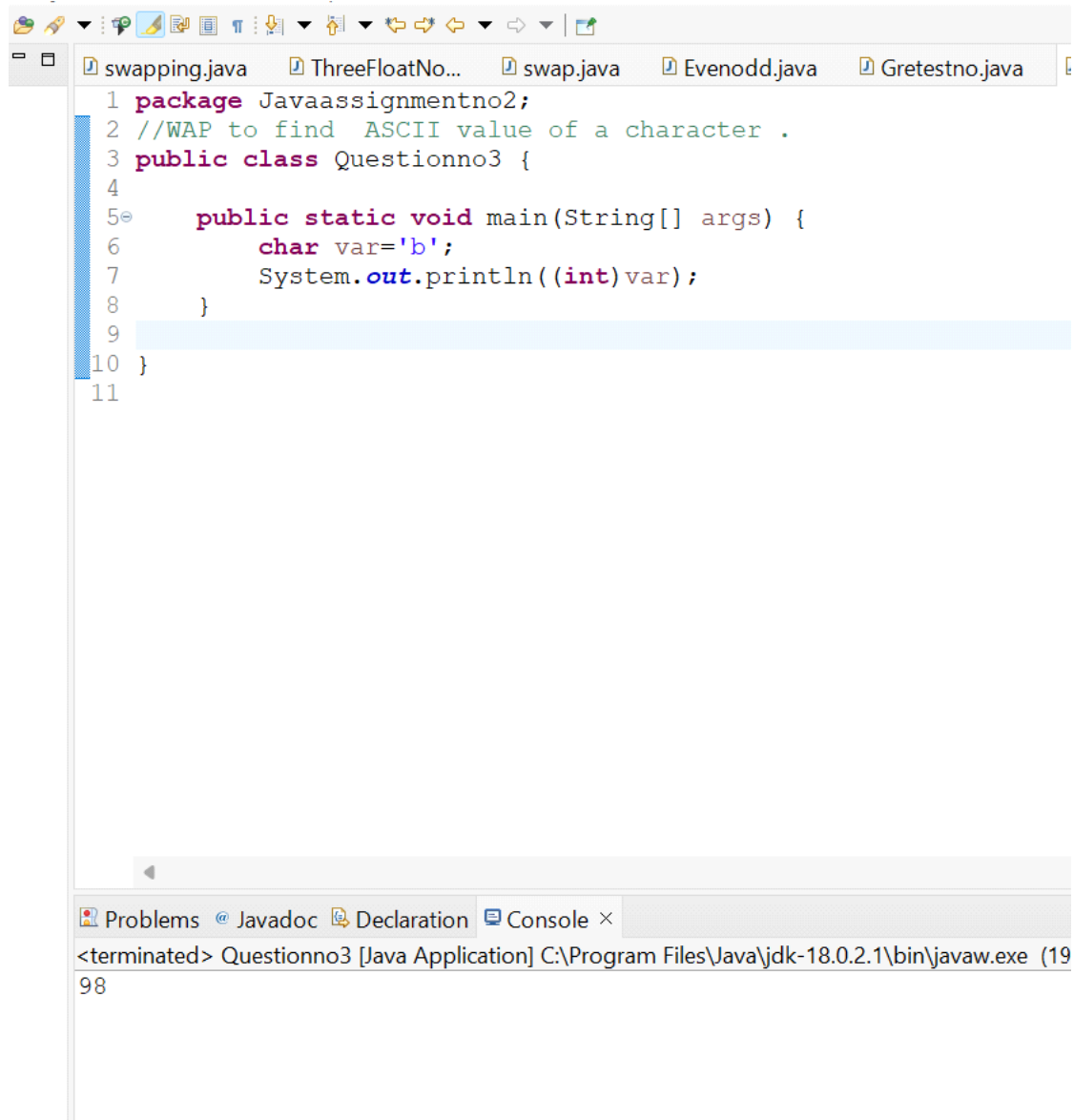
user and print the greatest among three .

```java
1 package Javaassignmentno2;
2 //  print the greatest among three .
3 import java.util.*;
4 public class Gretestno {
5
6    public static void main(String[] args) {
7        int n1,n2,n3, largest;
8        Scanner s=new Scanner(System.in);
9
10       System.out.println("enter 1st no");
11       System.out.println("enter 2nd no");
12       System.out.println("enter 3rd no");
13
14       n1=s.nextInt();
15       n2=s.nextInt();
16       n3=s.nextInt();
17
18       largest=n2>(n1>n3?n1:n3)?n2:(n3>n1?n3:n1);
19
20       System.out.println("the largest no is="+largest);
21
22       s.close();
23
24   }
25
26 }
```

Problems Javadoc Declaration Console ×

<terminated> Gretestno [Java Application] C:\Program Files\Java\jdk-18.0.2.1\bin\javaw.exe (19-Sep-2022, 7:16:55 pm – 7:17:12 pm) |

```
20
30
40
the largest no is=40
```

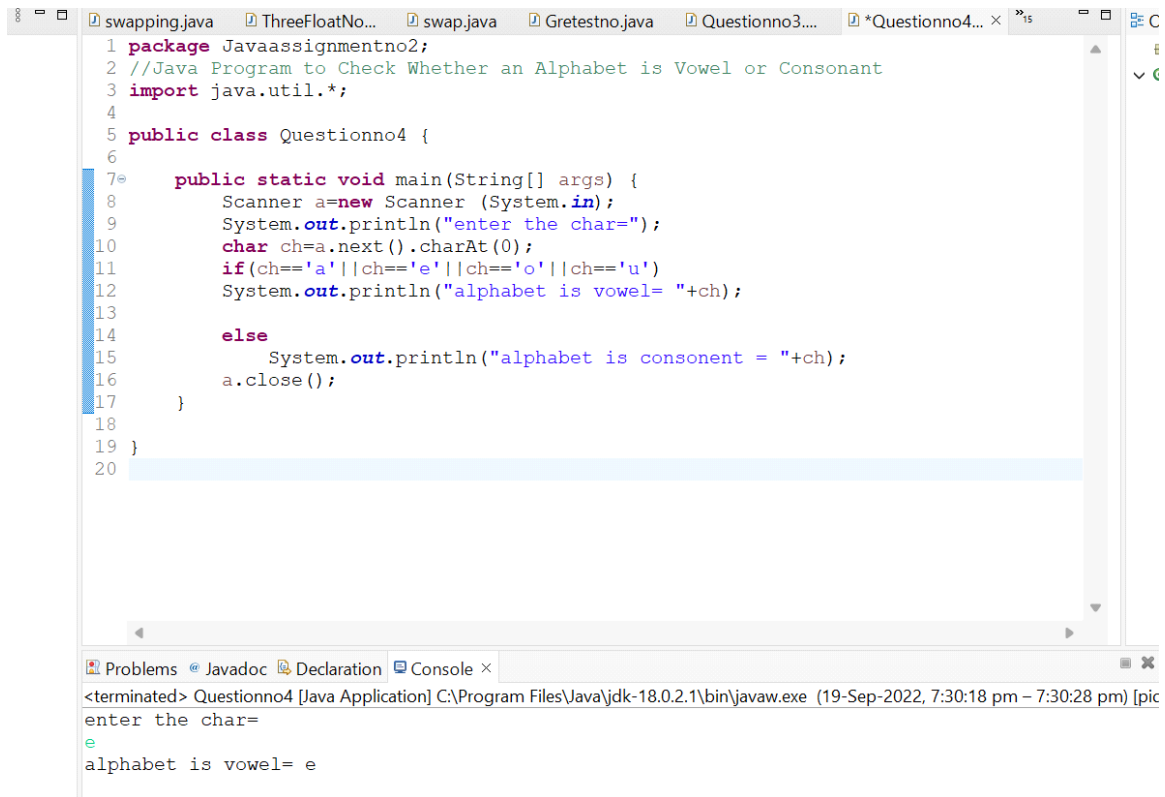3. WAP to find ASCII value of a character .

```java
1 package Javaassignmentno2;
2 //WAP to find  ASCII value of a character .
3 public class Questionno3 {
4
5⊖    public static void main(String[] args) {
6         char var='b';
7         System.out.println((int)var);
8     }
9
10 }
11
```

Problems @ Javadoc Declaration Console ×

<terminated> Questionno3 [Java Application] C:\Program Files\Java\jdk-18.0.2.1\bin\javaw.exe (19
98

4. Java Program to Check Whether an Alphabet is Vowel or Consonant

```
1 package Javaassignmentno2;
2 //Java Program to Check Whether an Alphabet is Vowel or Consonant
3 import java.util.*;
4
5 public class Questionno4 {
6
7    public static void main(String[] args) {
8        Scanner a=new Scanner (System.in);
9        System.out.println("enter the char=");
10       char ch=a.next().charAt(0);
11       if(ch=='a'||ch=='e'||ch=='o'||ch=='u')
12       System.out.println("alphabet is vowel= "+ch);
13
14       else
15           System.out.println("alphabet is consonent = "+ch);
16       a.close();
17    }
18
19 }
20
```

Problems @ Javadoc Declaration Console ×

<terminated> Questionno4 [Java Application] C:\Program Files\Java\jdk-18.0.2.1\bin\javaw.exe (19-Sep-2022, 7:30:18 pm – 7:30:28 pm) [pic
enter the char=
e
alphabet is vowel= e

5 Check if a Number is Positive or Negative using if else

📄 swapping.java   📄 ThreeFloatNo...   📄 Gretestno.java   📄 Questionno3....   📄 Questionn

```java
 1 package Javaassignmentno2;
 2 //Check if a Number is Positive or Negative using if else
 3 import java.util.*;
 4 public class Queno5 {
 5
 6   public static void main(String[] args) {
 7     int a;
 8     Scanner s=new Scanner(System.in);
 9
10     System.out.println("enter a number");
11     a=s.nextInt();
12     if(a>0)
13         System.out.println("number is positive");
14
15     else
16         System.out.println("enter a negative");
17
18   }
19
20 }
21
```

◀

🔳 Problems @ Javadoc 🔖 Declaration 🖥 Console ×

<terminated> Queno5 [Java Application] C:\Program Files\Java\jdk-18.0.2.1\bin\javaw.exe (19-Se
enter a number
10
number is positive

6 WAP for swapping two numbers without using third variable

```java
 1 package Javaassignmentno2;
 2 // WAP for swapping two numbers without using third variable
 3 public class Que6 {
 4
 5     public static void main(String[] args) {
 6
 7         int a=20;
 8         int b=30;
 9
10         System.out.println("before swapping valu is a="+a);
11         System.out.println("before swapping valu is b="+b);
12
13         a=a+b;
14         b=a-b;
15         a=a-b;
16
17         {System.out.println("after swapping valu of a="+a+"\nAfter Swapping valu of b="+b);}
18
19     }
20
21 }
22
23
24
25
26
```

Problems   @ Javadoc   Declaration   Console ×

<terminated> Que6 [Java Application] C:\Program Files\Java\jdk-18.0.2.1\bin\javaw.exe (19-Sep-2022, 7:49:35 pm – 7:49:35 pm

```
before swapping valu is a=20
before swapping valu is b=30
after swapping valu of a=30
After Swapping valu of b=20
```

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:

Name	Year of joining	Address
Ashish	1994	64C- WallsStreat
Sam	2000	68D- WallsStreat
John	1999	26B- WallsStreat

```java
1 package Javaassignmentno2;
2
3 public class Que7 {
4
5     public static void main(String[] args) {
6         System.out.println("name            year of joining      address");
7
8         System.out.println("Ashish          1994            64c-wallsStreat");
9         System.out.println();
10        System.out.println("sam             2000            68D-wallstreat");
11        System.out.println();
12        System.out.println("john            1999            26B-Wallstreet");
13
14        }
15
16 }
17
```

Problems @ Javadoc ⓠ Declaration ☐ Console ×

<terminated> Que7 [Java Application] C:\Program Files\Java\jdk-18.0.2.1\bin\javaw.exe (19-Sep-2022, 7:57:21 pm – 7:57:21 pm) [pid: 2

```
Ashish          1994                64c-wallsStreat

sam             2000                68D-wallstreat

john            1999                26B-Wallstreet
```
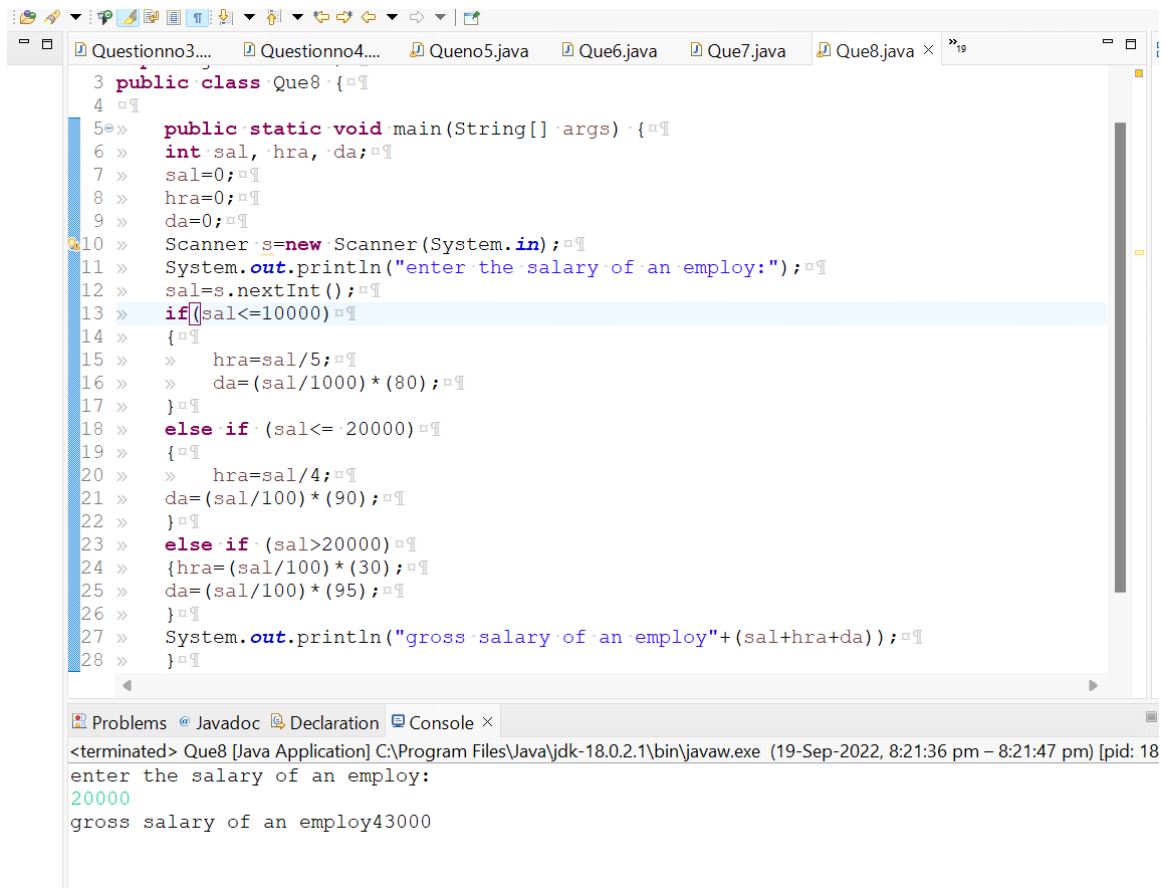
8 WAP to input basic salary of an employee and calculate its

Gross salary according to following:

Basic Salary <= 10000 : HRA = 20%, DA = 80%

Basic Salary <= 20000 : HRA = 25%, DA = 90%

Basic Salary > 20000 : HRA = 30%, DA = 95%

```java
  3 public class Que8 {
  4
  5     public static void main(String[] args) {
  6         int sal, hra, da;
  7         sal=0;
  8         hra=0;
  9         da=0;
 10         Scanner s=new Scanner(System.in);
 11         System.out.println("enter the salary of an employ:");
 12         sal=s.nextInt();
 13         if(sal<=10000)
 14         {
 15             hra=sal/5;
 16             da=(sal/1000)*(80);
 17         }
 18         else if (sal<= 20000)
 19         {
 20             hra=sal/4;
 21         da=(sal/100)*(90);
 22         }
 23         else if (sal>20000)
 24         {hra=(sal/100)*(30);
 25         da=(sal/100)*(95);
 26         }
 27         System.out.println("gross salary of an employ"+(sal+hra+da));
 28         }
```

Problems @ Javadoc Declaration Console ×

<terminated> Que8 [Java Application] C:\Program Files\Java\jdk-18.0.2.1\bin\javaw.exe (19-Sep-2022, 8:21:36 pm – 8:21:47 pm) [pid: 18

```
enter the salary of an employ:
20000
gross salary of an employ43000
```

Q 8 Q wap to print even numbers between 10 to 20.

```
 1 package Javaassignmentno2;
 2 //wap to print even numbers between 10 to 20
 3 public class Que9 {
 4
 5⊖    public static void main(String[] args) {
 6        for(int i=11;i<20;i++)
 7        {if (i%2==0)
 8        {System.out.println("even no between 10 to 20="+i);
 9        }
10    }
11
12    }}
13
```
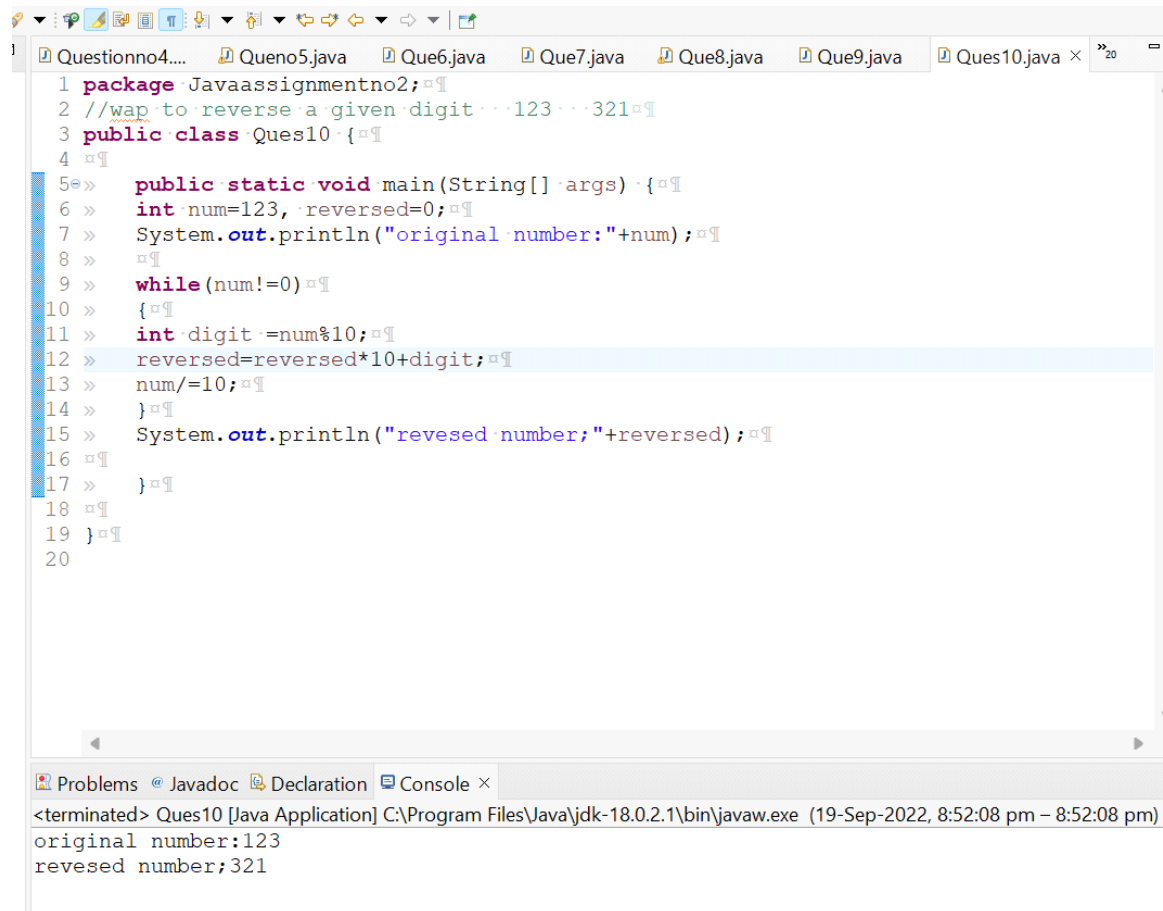
Problems @ Javadoc Declaration Console ×

<terminated> Que9 [Java Application] C:\Program Files\Java\jdk-18.0.2.1\bin\javaw.exe (19-Sep-2022, 8:43:42 pm – 8:43:43 pm) [pi

```
even no between 10 to 20=12
even no between 10 to 20=14
even no between 10 to 20=16
even no between 10 to 20=18
```

9 wap to check if a number is prime or not

```java
1 package Javaassignmentno2;
2 import java.util.*;
3 public class Ques9 {
4
5   public static void main(String[] args) {
6       int i, n;
7       Scanner s=new Scanner(System.in);
8       System.out.println("enter a number to check whether it is prime or not ");
9       n=s.nextInt();
10      if(n==0|| n==1)
11      System.out.print("not a prime number");
12      for (i=2;i<=n/2;i++)
13      {
14          if (n%i==0)
15          {System.out.println("not a prime number");
16          break;
17          }
18          else
19          {System.out.println("not a prime number");
20          break;
21      }
22
23      }
24
25 }}
26
```

Problems @ Javadoc Declaration Console ×

<terminated> Ques9 [Java Application] C:\Program Files\Java\jdk-18.0.2.1\bin\javaw.exe (19-Sep-2022, 9:17:30 pm – 9:17:37

enter a number to check whether it is prime or not

8

not a prime number

Q 10 wap to reverse a given digit   123   321

```java
1  package Javaassignmentno2;
2  //wap to reverse a given digit   123   321
3  public class Ques10 {
4
5      public static void main(String[] args) {
6      int num=123, reversed=0;
7      System.out.println("original number:"+num);
8
9      while(num!=0)
10     {
11     int digit =num%10;
12     reversed=reversed*10+digit;
13     num/=10;
14     }
15     System.out.println("revesed number;"+reversed);
16
17     }
18
19 }
20
```

```
<terminated> Ques10 [Java Application] C:\Program Files\Java\jdk-18.0.2.1\bin\javaw.exe (19-Sep-2022, 8:52:08 pm – 8:52:08 pm)
original number:123
revesed number;321
```