Q1 Write a program to calculate the sum of first 10 natural number.

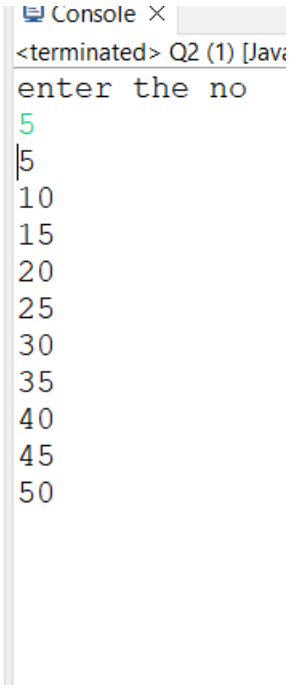
```java
package Assignment_no_2;

import java.util.Scanner;
public class Q1 {

    public static void main(String[] args) {

        int a,sum=0;
        Scanner s = new Scanner(System.in);
        System.out.println("enter the no");
        a = s.nextInt();

        for(int i=1;i<=a;i++)
        {

            sum= sum+i;
        }

        System.out.print("total"+sum);

        }

}
```

nsole ×
inated> Q1 (1) [Java Application] C:\Users\vaishali\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.fu

Console ×
<terminated> Q1 (1) [Java
enter the no
10
total55

Q 2 Write a program that prompts the user to input a positive integer. It should then print the multiplication table of that number.

```java
package Assignment_no_2;

import java.util.Scanner;
public class Q2 {

    public static void main(String[] args) {

        int a;
        Scanner s = new Scanner(System.in);
        System.out.println("enter the no");
        a = s.nextInt();

        if(a>0)
        {
             for (int i=1;i<=10;i++)
             {
            System.out.println(a*i);
             }

        }
        else
            System.out.println("enter pos no");

    }

}
```


Console
<terminated> Q2 (1) [Java
enter the no
5
5
10
15
20
25
30
35
40
45
50

Q 3 Write a program that prompts the user to input an integer and then outputs the number with the digits reversed. For example, if the input is 12345, the output should be 54321.

```java
package Assignment_no_2;
import java.util.Scanner;
 public class Q3 {

    public static void main(String[] args)

        int a;
        int no;
        Scanner s =new Scanner(System.in);
        System.out.println("enter the int"
        a = s.nextInt();

        while(a>0)
        {
            no =a%10;
            System.out.print(no);
            a =a/10;

        }

    }
```

```
<terminated> Q3 (1) [Java Applica
enter the int
1234
4321
```

Q 4 Write a do-while loop that asks the user to enter two numbers. The numbers should be added and the sum displayed. The loop should ask the user whether he or she wishes to perform the operation again. If so, the loop should repeat; otherwise it should terminate.(while loop)

```java
package Assignment_no_2;
import java.util.Scanner;
public class Q4 {

    public static void main(String[] args) {
        int a;
        int b;
        String choice;
        do {
        Scanner s =new Scanner(System.in);
        System.out.println("enter the no");
        a =s.nextInt();
        System.out.println("enter the no");
        b =s.nextInt();

        System.out.println(a+b);
        System.out.println("do you wish to continue");
        choice = s.next();
        }
        while(choice.equals("yes"));
```

```
<terminated> Q4 (1) [Java Application] C:\U
enter the no
34
enter the no
45
79
do you wish to continue
no
```

Q 5 Write a program to print out all Armstrong numbers between 1 and 500. If sum of cubes of each digit of the number is equal to the number itself, then the number is called an Armstrong number.
For example, 153 = (1 * 1 * 1) + (5 * 5 * 5) + (3 * 3 * 3)

practice.java Q.java Q1.java Q2.java Q3.java Q4.java Q5.java

```
1  package Assignment_no_2;
2
3  public class Q5 {
4
5      public static void main(String[] args) {
6          int n=153;
7          int m = n;
8          int total =0;
9          int rem =0;
10         while (n!=0)
11         {
12         rem = n%10;
13         total =total + (rem *rem*rem);
14         n = n/10;
15         }
16         if(total==m)
17         {
18             System.out.println("no is armstrong");
19         }
20         else
21             System.out.println("no is  not armstrong");
22
23
```

Console

terminated> Q5 [Java Application] C:\Users\vaishali\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.ful

no is armstrong

Q 6 Write a program to print Fibonacci series of n terms where n is input by user :
0 1 1 2 3 5 8 13 24 .....

practice.java | Q.java | Q1.java | Q2.java | Q3.java | Q4.java

```java
package Assignment_no_2;

public class Q6 {

    public static void main(String[] args) {

        int a = 0;
        int b = 1;

        System.out.println(a+""+b);
        int c;
        for(int i =1;i<=10;i++)
        {

            c = a+b;
            System.out.println(""+c);
            a=b;
            b=c;
        }

    }

}
```

<terminated> C

```
01
1
2
3
5
8
13
21
34
55
89
```

)ACB/src

Q 7 Write a program to print following :

i)

```
**********
**********
**********
**********
```

```java
package Assignment_no_2;

public class Q7 {

    public static void main(String[] args) {
        for(int i =1 ;i<=4;i++)
        {
            System.out.println("**********");

        }

    }

}
```

Console ×

<terminated> Q7 [Java Application] C:\Users\vaishali\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.j

```
*********
*********
*********
*********
```

ii)

```
*
**
***
****
*****
```

practice.java | Q.java | Q1.java | Q2.java | Q3.java | Q4.java | Q5.jav

```
1  package Assignment_no_2;
2
3  public class Q7b {
4
5      public static void main(String[] args) {
6
7          for(int i=1;i<=4;i++)
8          {
9              for(int j=1;j<=i;j++)
10             {
11                 System.out.print("*");
12             }
13             System.out.println();
14         }
15
16
17     }
18
19 }
```

Console

```
<terminated> Q7b [Java Application] C:\Users\vaishali\.p2\pool\plugins\org.eclipse.justj.openjdk.hotsp
*
**
***
****
```

Q9 Write a program to check if given number is prime or not

```java
package Assignment_no_2;

public class Q9 {

    public static void main(String[] args) {

        int a=7;
        int count =0;
        for(int i=1;i<=a;i++)
        {
            if(a%i==0)
            {
                count++;
            }
        }

        if(count ==2)
        {
            System.out.println("prime no ");
        }
        else
            System.out.println("Not prime");
```

Console ×

<terminated> Q9 [Java Application] C:\Users\vaishali\.p2\pool\plugins\org.eclipse.justj.openjd

prime no

Q 10 write a program to print prime numbers between 2 to 20.

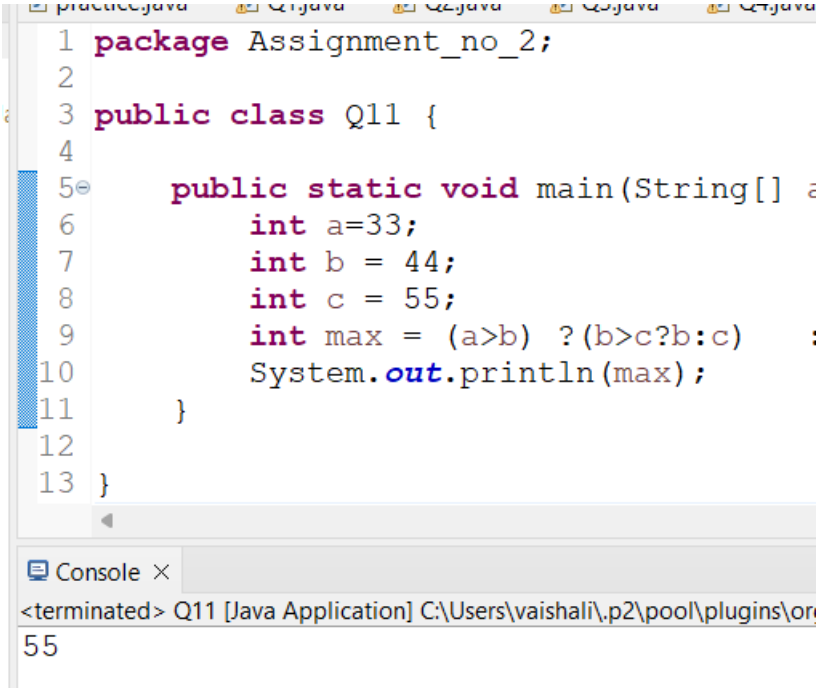
practice.java | Q.java | Q1.java | Q2.java | Q3.java | Q4.java | Q5.java

```
1  package Assignment_no_2;
2
3  public class Q10 {
4
5      public static void main(String[] args) {
6
7
8
9        for(int i=2;i<=20;i++)
.0       {
.1           int count=0;
.2           for(int j=1;j<=i;j++)
.3           {
.4               if(i%j==0)
.5               {
.6                   count++;
.7
.8               }
.9
:0
:1           }
:2
:3           if(count==2)
:4           {
:5               System.out.println(i);
:6           }
:7       }
:8
:9     }
30
31 }
32
```

<terminated> Q10 [Java Applic

```
2
3
5
7
11
13
17
19
```

Q 11 Write program to find largest among three numbers



```
1  package Assignment_no_2;
2
3  public class Q11 {
4
5      public static void main(String[] a
6          int a=33;
7          int b = 44;
8          int c = 55;
9          int max = (a>b) ?(b>c?b:c)    :
10         System.out.println(max);
11     }
12
13 }
```

Console ×

<terminated> Q11 [Java Application] C:\Users\vaishali\.p2\pool\plugins\or

55

Q 20 Write a program to find sum of all integers greater than 100 and less than 200 that are divisible by 7

Q1.java Q2.java Q3.java Q4.java Q5.java

```
1  package Assignment_no_2;
2
3  public class Q20 {
4
5      public static void main(String[]
6          for(int i =100;i<=200;i++)
7          {
8              if(i%7==0)
9              {
10                 System.out.println(i)
11
12             }
13         }
```

Console

<terminated> Q20 [Java Application] C:\Users\vaishali\.p2\pool\plugins\o

```
105
112
119
126
133
140
147
154
161
168
175
182
189
196
```

Q 21 8. Write a Java program to print numbers between 1 to 100 which are divisible by 3, 5 and by both

Q1.java Q2.java Q3.java Q4.java Q5.java Q9.java Q10.java

```
1  package Assignment_no_2;
2
3  public class Q21 {
4
5      public static void main(String[] args) {
6
7          for(int i=1;i<=100;i++)
8          {
9              if(i%3==0 && i%5==0)
10             {
11                 System.out.println(i);
12             }
13         }
14
15     }
16
17 }
18
```

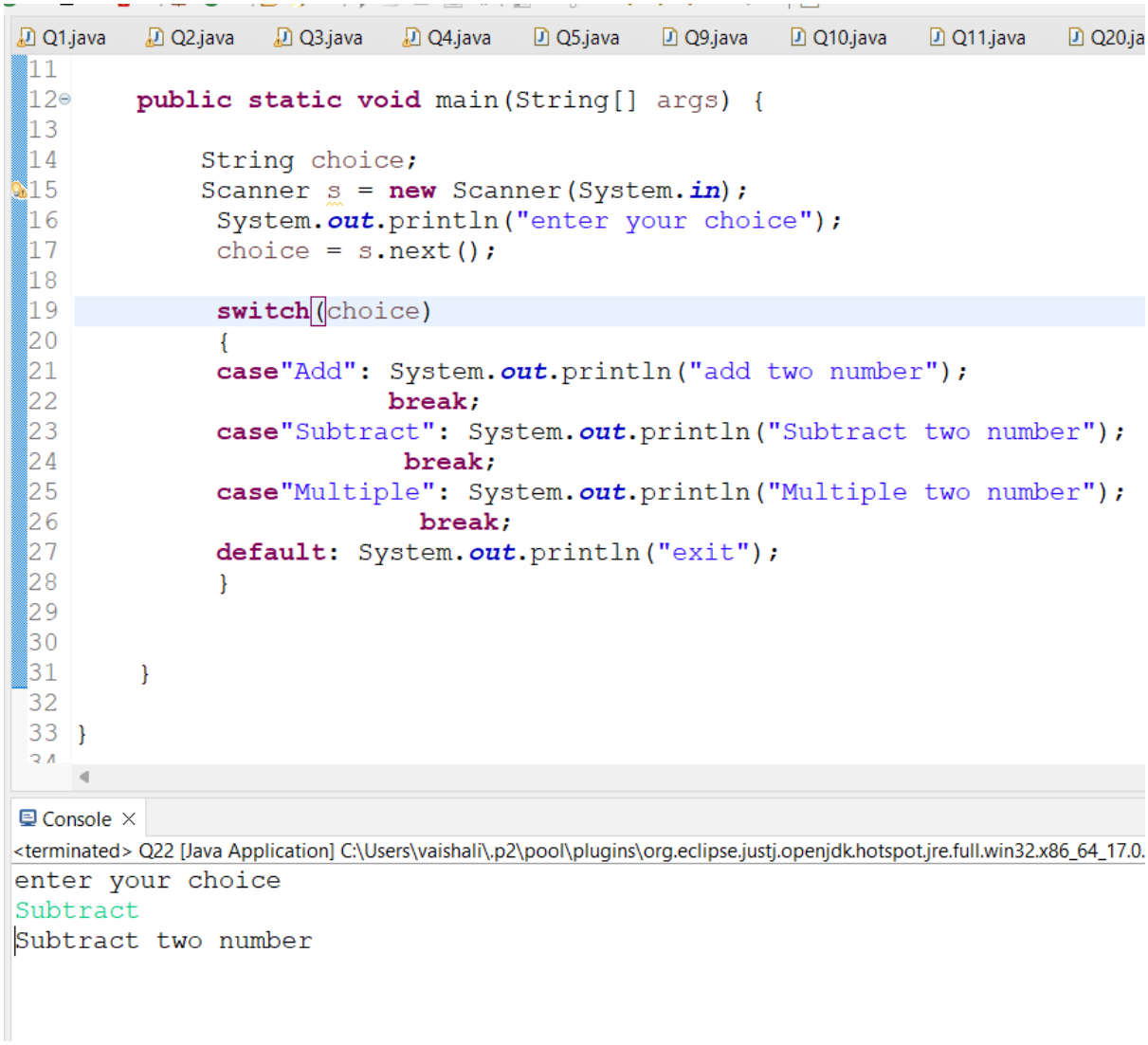
Console ×

<terminated> Q21 [Java Application] C:\Users\vaishali\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.

```
15
30
45
60
75
90
```

Q 22 create a menu driven application in java that show

"Add"	Add two number
"subtract"	Subtract two number
"Multiple"	Multiple two numbers
"Exit "	Exit



Q 23 Write a program to display first 1 to 20 even number on screen . Terminate the program when number 16 is found using break command .

Q1.java Q2.java Q3.java Q4.java Q5.java Q9.java Q10.java

```
1  package Assignment_no_2;
2
3  public class Q23 {
4
5      public static void main(String[] args) {
6          for(int i =1;i<=20;i++)
7          {
8              if(i%2==0)
9              {
10                 System.out.println(i);
11                  if(i==16)
12                 {
13                     break;
14                 }
15
16             }
17         }
18
19     }
20
21 }
22
```

```
<terminated> Q23 [Ja
<termina
2
4
6
8
10
12
14
16
```