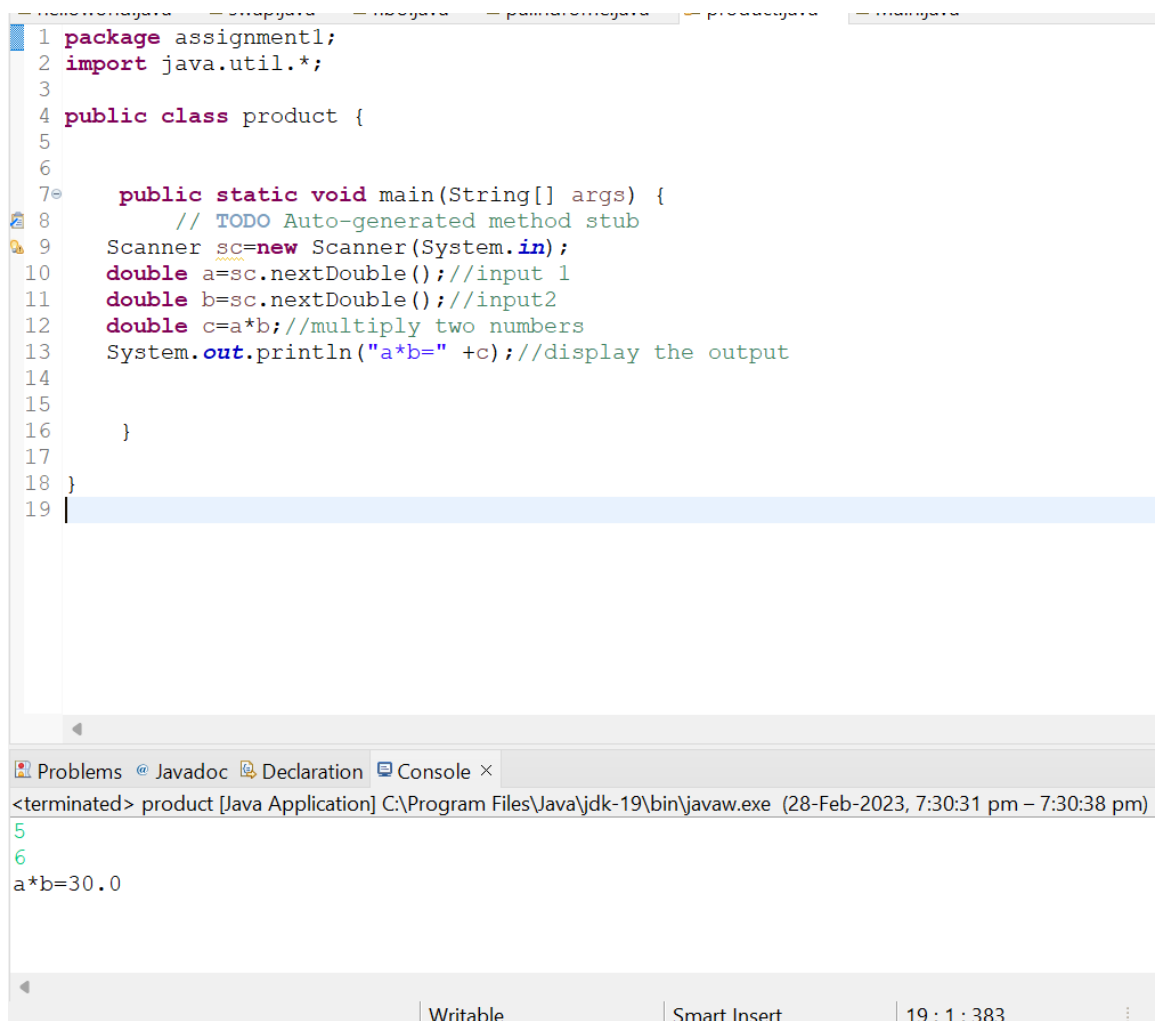


Assignment-01

1. Write a Java program to print the product of two numbers.

Code: <https://codeshare.io/pqkxVE>



The screenshot shows an IDE with a Java file named 'product.java'. The code is as follows:

```
1 package assignment1;  
2 import java.util.*;  
3  
4 public class product {  
5  
6  
7     public static void main(String[] args) {  
8         // TODO Auto-generated method stub  
9         Scanner sc=new Scanner(System.in);  
10        double a=sc.nextDouble();//input 1  
11        double b=sc.nextDouble();//input2  
12        double c=a*b;//multiply two numbers  
13        System.out.println("a*b=" +c);//display the output  
14  
15  
16    }  
17  
18 }  
19
```

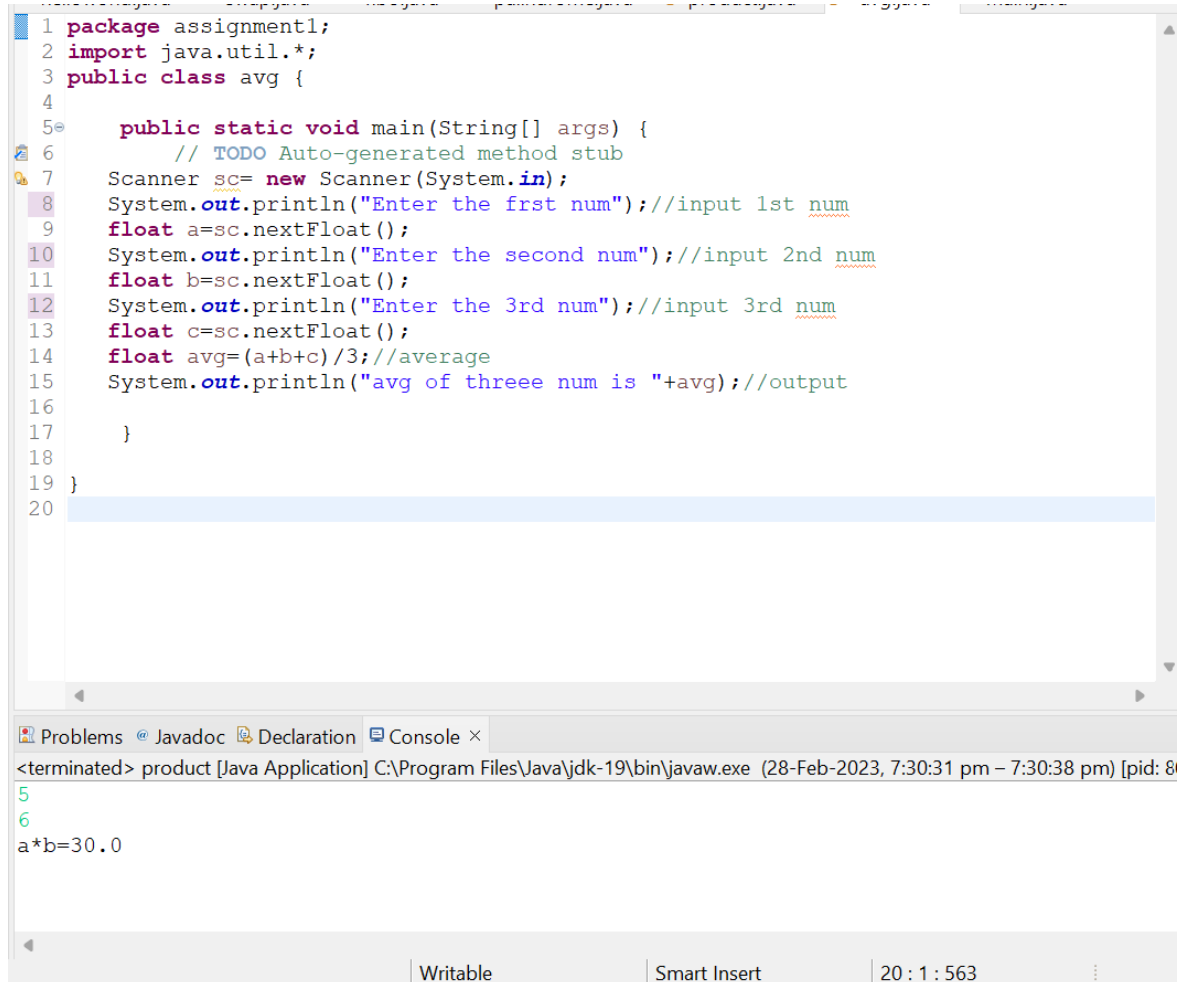
The console output shows the program execution:

```
<terminated> product [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-Feb-2023, 7:30:31 pm - 7:30:38 pm)  
5  
6  
a*b=30.0
```

The IDE interface includes tabs for 'Problems', 'Javadoc', 'Declaration', and 'Console'. The status bar at the bottom indicates 'Writable', 'Smart Insert', and the time '19:1:383'.

2. Write a Java program to calculate the average of three numbers.

Code: <https://codeshare.io/wnvYV7>



The screenshot shows an IDE with a Java file named 'assignment1.java'. The code is as follows:

```
1 package assignment1;
2 import java.util.*;
3 public class avg {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         Scanner sc= new Scanner(System.in);
8         System.out.println("Enter the first num");//input 1st num
9         float a=sc.nextFloat();
10        System.out.println("Enter the second num");//input 2nd num
11        float b=sc.nextFloat();
12        System.out.println("Enter the 3rd num");//input 3rd num
13        float c=sc.nextFloat();
14        float avg=(a+b+c)/3;//average
15        System.out.println("avg of threee num is "+avg);//output
16
17    }
18
19 }
20
```

The console output shows the program execution:

```
<terminated> product [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-Feb-2023, 7:30:31 pm – 7:30:38 pm) [pid: 8]
5
6
a*b=30.0
```

The status bar at the bottom indicates 'Writable', 'Smart Insert', and '20 : 1 : 563'.

3. Write a Java program to check whether a given number is even or odd.

Code <https://codeshare.io/9OLD97>

```
1 package assignment1;  
2 import java.util.*;  
3 public class evnodd {  
4  
5     public static void main(String[] args) {  
6         // TODO Auto-generated method stub  
7         Scanner s=new Scanner(System.in);  
8         int n=s.nextInt();//takes input  
9         if(n%2==0)//for even num  
10            System.out.println(n + " is even");  
11        else//odd num  
12            System.out.println(n + " is odd");  
13    }  
14 }  
15  
16
```

Problems @ Javadoc Declaration Console ×

<terminated> evnodd [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-Feb-2023, 7:39:52 pm – 7:39:57 pm) [pid 5
5 is odd| <terminated> evnodd [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-Feb-

4. Write a Java program to check whether a given year is a leap year.

Code <https://codeshare.io/3AbqQ1>

```
1 package assignment1;
2 import java.util.*;
3 public class leapyr {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         Scanner s=new Scanner(System.in);
8         System.out.println("Enter the year");//input the year
9         int yr=s.nextInt();
10        if(yr % 4 == 0 && yr % 100 != 0 || yr % 400 == 0)//leap year logic
11            System.out.println(yr+" ia a leap year");
12        else
13            System.out.println(yr+" ia a leap year");
14        }
15    }
16 }
17
```

Problems @ Javadoc Declaration Console ×

<terminated> leapyr [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-Feb-2023, 7:41:52 pm – 7:42:26 pm) [pid: 7]

Enter the year
2020
2020 ia a leap year

5. Write a Java program to print the ASCII value of a given character.

Code <https://codeshare.io/JbMKRd>

```
1 package assignment1;
2
3 public class asci {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         char ch = 'a';
8         int ascii = ch;
9         // You can also cast char to int
10        int castAscii = (int) ch;
11
12        System.out.println("The ASCII value of " + ch + " is: " + ascii);
13        System.out.println("The ASCII value of " + ch + " is: " + castAscii);
14    }
15
16 }
17
```

Problems @ Javadoc Declaration Console x

<terminated> asci [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-Feb-2023, 7:55:16 pm – 7:55:17 pm) [pid: 165]

The ASCII value of a is: 97
The ASCII value of a is: 97

Writable | Smart Insert | 17 : 1 : 413

6. Write a Java program to convert Celsius to Fahrenheit.

Code <https://codeshare.io/km8xLY>

```
1 package assignment1;
2 import java.util.*;
3 public class ctof {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         Scanner s=new Scanner(System.in);
8         System.out.println("Enter the celsius ");
9         float c=s.nextFloat();//celsius input
10        float f= (float) ((1.8*c) + 32);//conversion
11        System.out.println("celisus to fahrenite: "+f);
12    }
13
14 }
15
```

Problems @ Javadoc Declaration Console ×

<terminated> ctof [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-Feb-2023, 7:57:16 pm – 7:57:22 pm) [pid: 1.

Enter the celsius

35

celisus to fahrenite: 95.0

7. Write a Java program to find the maximum of two numbers.

Code <https://codeshare.io/gL9x3B>

```
1 package assignment1;  
2 import java.util.*;  
3  
4 public class max {  
5  
6     public static void main(String[] args) {  
7         // TODO Auto-generated method stub  
8 Scanner s=new Scanner(System.in);  
9 System.out.println("Enter the first num ");  
10 float a=s.nextFloat();  
11 System.out.println("Enter the 2nd num ");  
12 float b=s.nextFloat();  
13  
14 System.out.println("max of 2 num is " + (Math.max(a,b)));  
15     }  
16 }  
17  
18
```

Problems @ Javadoc Declaration Console ×

<terminated> max [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-Feb-2023, 7:58:56 pm – 7:59:02 pm) [pid: 11]
Enter the first num
3
Enter the 2nd num
5
max of 2 num is 5.0

