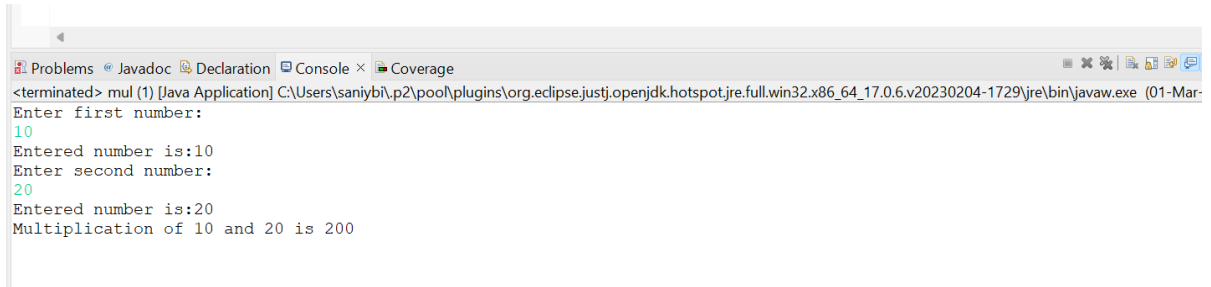


Assignment 1

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

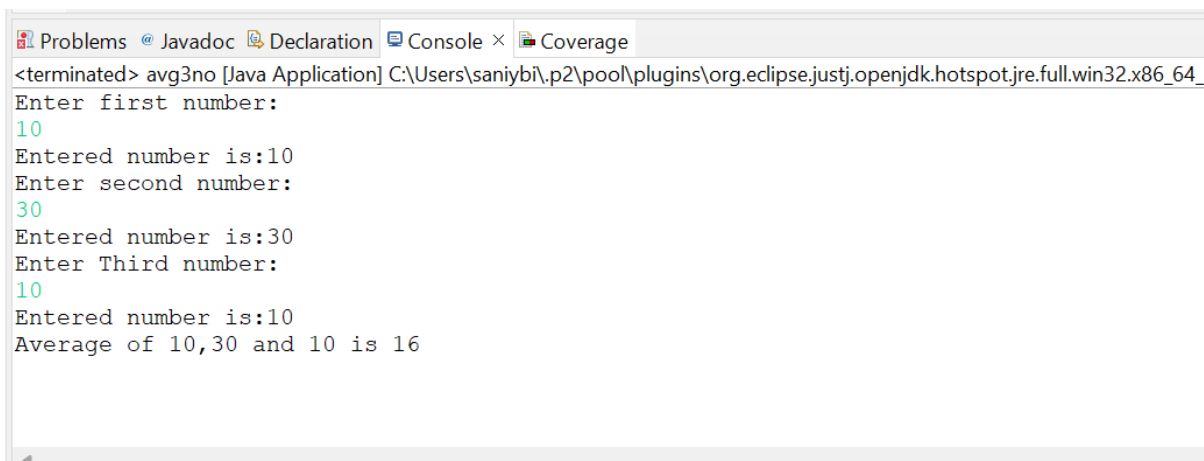
Code link: <https://codeshare.io/PdEwWE>



```
Problems Javadoc Declaration Console × Coverage
<terminated> mul (1) [Java Application] C:\Users\saniyb\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.6.v20230204-1729\jre\bin\javaw.exe (01-Mar-
Enter first number:
10
Entered number is:10
Enter second number:
20
Entered number is:20
Multiplication of 10 and 20 is 200
```

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

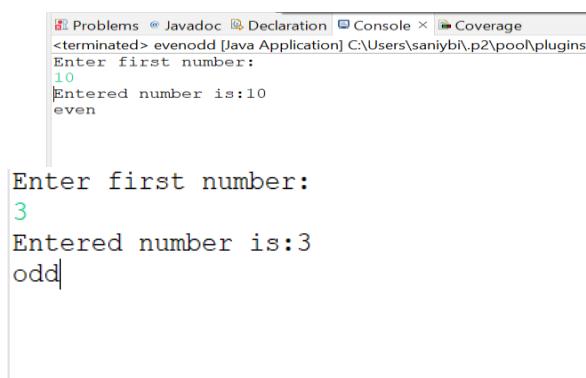
Code Link: <https://codeshare.io/vwjdEL>



```
Problems Javadoc Declaration Console × Coverage
<terminated> avg3no [Java Application] C:\Users\saniyb\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_
Enter first number:
10
Entered number is:10
Enter second number:
30
Entered number is:30
Enter Third number:
10
Entered number is:10
Average of 10,30 and 10 is 16
```

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

Code Link: <https://codeshare.io/9OLxAX>



```
Problems Javadoc Declaration Console × Coverage
<terminated> evenodd [Java Application] C:\Users\saniyb\p2\pool\plugins
Enter first number:
10
Entered number is:10
even

Enter first number:
3
Entered number is:3
odd|
```

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

Code Link: <https://codeshare.io/IonJMD>

```
<terminated> leapyr [Java Application] C:\Users\saniyb\p2\pool\plugins\org.  
Enter an Year ::  
2000  
Specified year is a leap year
```

```
Problems @ Javadoc Declaration Console × Coverage  
<terminated> leapyr [Java Application] C:\Users\saniyb\p2\pool\plugins\org.eclipse.j  
Enter an Year ::  
1997  
Specified year is not a leap year
```

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

Code Link: <https://codeshare.io/gL9vZR>

```
<terminated> asciival [Java Application] C:\Users\saniyb\p2\  
The ASCII value of a is: 97
```

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

Code Link: <https://codeshare.io/JbMJ0Z>

```
Problems @ Javadoc Declaration Console ^ Coverage  
<terminated> celtofar [Java Application] C:\Users\saniyb\p2\pool\plugins  
Enter Temperature in celcius:  
97  
| value of temperature in fahrenheit:206.6
```

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

Code Link: <https://codeshare.io/eV6WdK>

```
<terminated> max (1) [Java Application] C:\Users\saniyb  
Enter first number:  
8  
Entered number is:8  
Enter second number:  
9  
Entered number is:9  
b is largest number
```

```
<terminated> max (1) [Java Application] C:\Users\sani  
Enter first number:  
20  
Entered number is:20  
Enter second number:  
6  
Entered number is:6  
a is largest number
```

Assignment 2

1. Create a class called "Car" that has the following properties: make, model, year, color, and price. Include a constructor and getter and setter methods for each property.

Code Link: <https://codeshare.io/LwEO1V>

```
<terminated> Car (1) [Java Application] C:\Users\saniybi\p2\pool\plugins  
Make: Honda  
Model: Civic  
Year: 2022  
Color: White  
Price: 27000.0
```

2. Create a class called "Student" that has the following properties: name, age, gender, grade, and GPA. Include a constructor and getter and setter methods for each property.

Code Link: <https://codeshare.io/N3pQDr>

```
Problems | JavaDoc | Declaration | Console | Coverage  
<terminated> Student [Java Application] C:\Users\saniybi\p2\pool\plugins\org.eclipse.justj.openj  
Name: John Smith  
Age: 17  
Gender: Male  
Grade: 11  
GPA: 3.8  
DC- Name: Jane Smith  
Age: 16  
Gender: Female  
Grade: 10  
GPA: 4.0
```

3. Create a class called "Circle" that has the following properties: radius, diameter, and area. Include a constructor and methods to calculate the diameter and area of the circle.

Code Link: <https://codeshare.io/km8yPY>

```
<terminated> Circle.java Application C:\Users\saniybi\
Radius: 9.0
Diameter: 18.0
Area: 254.46900494077323
```

4. Create a class called "Rectangle" that has the following properties: length, width, and area. Include a constructor and a method to calculate the area of the rectangle.

Code Link: <https://codeshare.io/N3p0JV>

```
<terminated> rectangle [Java
Area: 30.0
```

5. Create a class called "BankAccount" that has the following properties: account number, account balance, account holder name, and account type. Include a constructor and methods to deposit and withdraw money from the account.

Code Link: <https://codeshare.io/RbvqQE>

```
<terminated> bankaccount [Java Application] C:\Users\saniybi\p2\pool\plugins\or
Account balance before deposit: 1000.0
Account balance after deposit: 1500.0
Account balance after withdrawal: 1300.0
Insufficient funds
```

6. Create a class called "Person" that has the following properties: name, age, address, phone number, and email address. Include a constructor and getter and setter methods for each property.

Code Link: <https://codeshare.io/eV6Nxr>

```
<terminated> Person [Java Application] C:\Users\saniybi
Name:Smith
New name: Priya
```

7. Create a class called "Animal" that has the following properties: name, species, age, and weight. Include a constructor and getter and setter methods for each property.

Code Link: <https://codeshare.io/oQ3gxZ>

```
<terminated> Animal [Java Application] C:\Users\saniy
Name: Ajay
New name: Bob
```

8. Create a class called "Triangle" that has the following properties:
base, height, and area. Include a constructor and a method to
calculate the area of the triangle.

Code Link: <https://codeshare.io/Ad1NJk>

```
<terminated> Triangle [Java Application] C:\Users\saniy
Base: 9.0
Height: 3.0
Area: 13.5
New base: 5.0
New area: 7.5
```

9. Create a class called "Employee" that has the following properties:
name, employee ID, department, job title, and salary. Include a
constructor and getter and setter methods for each property.

Code Link: <https://codeshare.io/K8E00K>

```
<terminated> Employee [Java Application] C:\Users\saniy
Name: Don
Employee ID: 9534
Department: IT
Job Title: Software Engineer
Salary: 5000.0
New salary: 80000.0
```

10. Create a class called "Address" that has the following properties:
street, city, state, zip code, and country. Include a constructor and
getter and setter methods for each property.

Code Link: <https://codeshare.io/oQ3ggr>

```
<terminated> Address [Java Application] C:\Users\saniy
Street: 675 Main St
City: town
State: Karnataka
Zip Code: 8765
Country: India
New zip code: 67890
```

