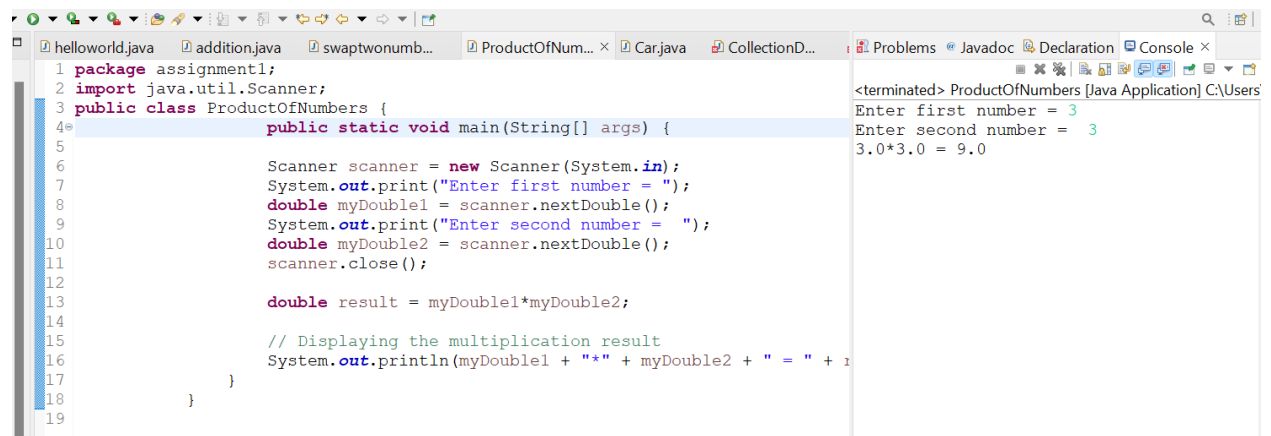# Assignment-01

Syed Farman R

Tecnotree Mysore,

Questions:

1. Write a Java program to print the product of two numbers.
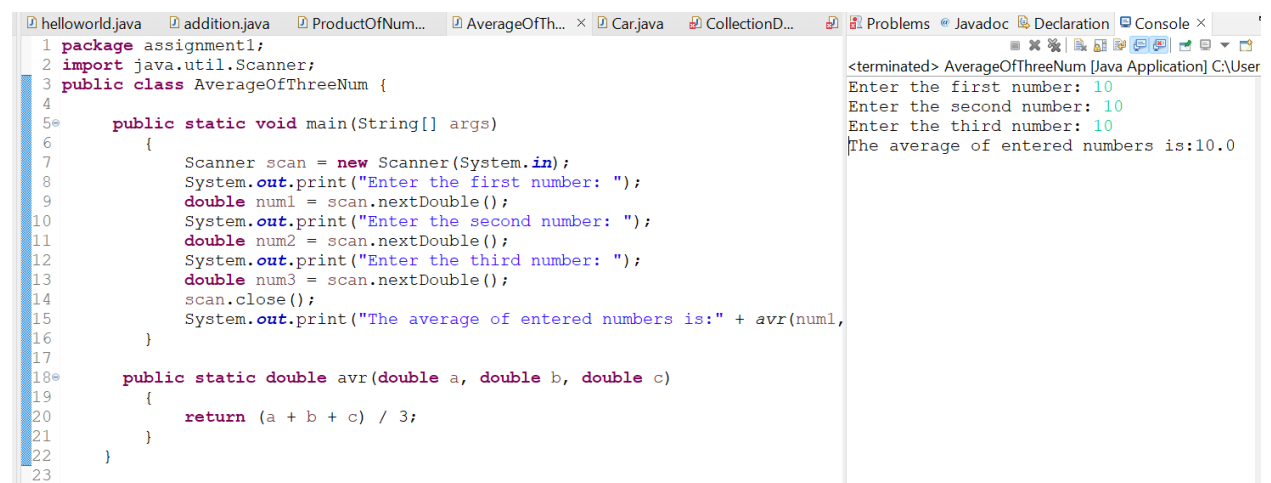
```java
package assignment1;
import java.util.Scanner;
public class ProductOfNumbers {
    public static void main(String[] args) {

        Scanner scanner = new Scanner(System.in);
        System.out.print("Enter first number = ");
        double myDouble1 = scanner.nextDouble();
        System.out.print("Enter second number =  ");
        double myDouble2 = scanner.nextDouble();
        scanner.close();

        double result = myDouble1*myDouble2;

        // Displaying the multiplication result
        System.out.println(myDouble1 + "*" + myDouble2 + " = " + r
    }
}
```

```
<terminated> ProductOfNumbers [Java Application] C:\Users
Enter first number = 3
Enter second number =  3
3.0*3.0 = 9.0
```

https://codeshare.io/vwjmkD

2. Write a Java program to calculate the average of three numbers.
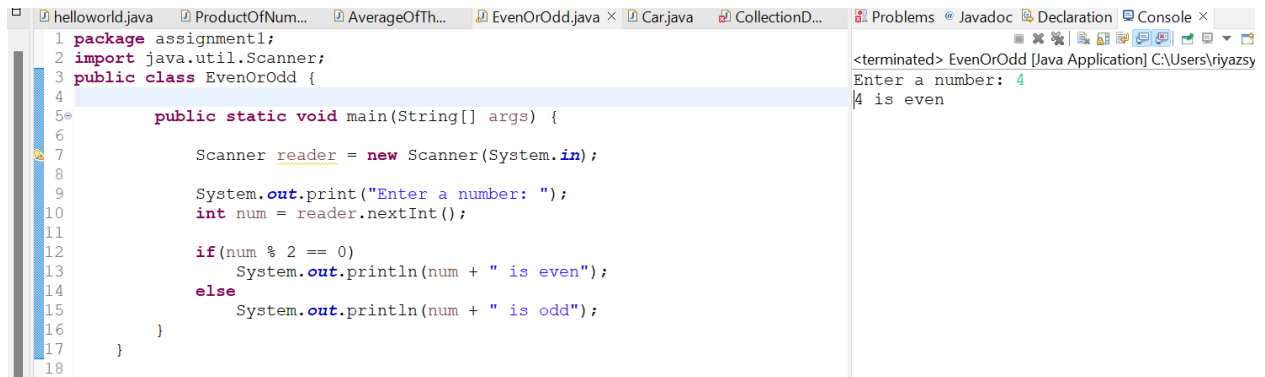
```java
package assignment1;
import java.util.Scanner;
public class AverageOfThreeNum {

    public static void main(String[] args)
    {
        Scanner scan = new Scanner(System.in);
        System.out.print("Enter the first number: ");
        double num1 = scan.nextDouble();
        System.out.print("Enter the second number: ");
        double num2 = scan.nextDouble();
        System.out.print("Enter the third number: ");
        double num3 = scan.nextDouble();
        scan.close();
        System.out.print("The average of entered numbers is:" + avr(num1,
    }

    public static double avr(double a, double b, double c)
    {
        return (a + b + c) / 3;
    }
}
```

```
<terminated> AverageOfThreeNum [Java Application] C:\User
Enter the first number: 10
Enter the second number: 10
Enter the third number: 10
The average of entered numbers is:10.0
```

https://codeshare.io/78m9RE

3. Write a Java program to check whether a given number is even or odd.
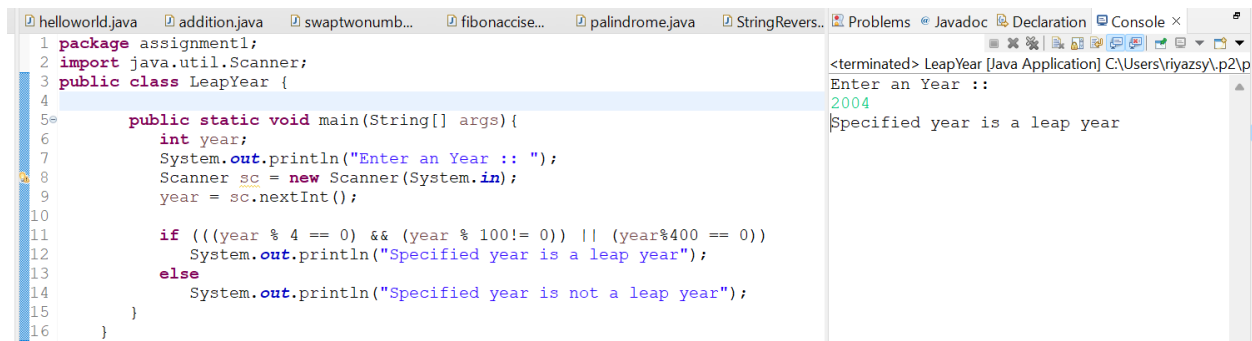
```java
package assignment1;
import java.util.Scanner;
public class EvenOrOdd {

    public static void main(String[] args) {

        Scanner reader = new Scanner(System.in);

        System.out.print("Enter a number: ");
        int num = reader.nextInt();

        if(num % 2 == 0)
            System.out.println(num + " is even");
        else
            System.out.println(num + " is odd");
    }
}
```

Console:
```
<terminated> EvenOrOdd [Java Application] C:\Users\riyazsy
Enter a number: 4
4 is even
```

https://codeshare.io/BA7v9m

4. Write a Java program to check whether a given year is a leap year.
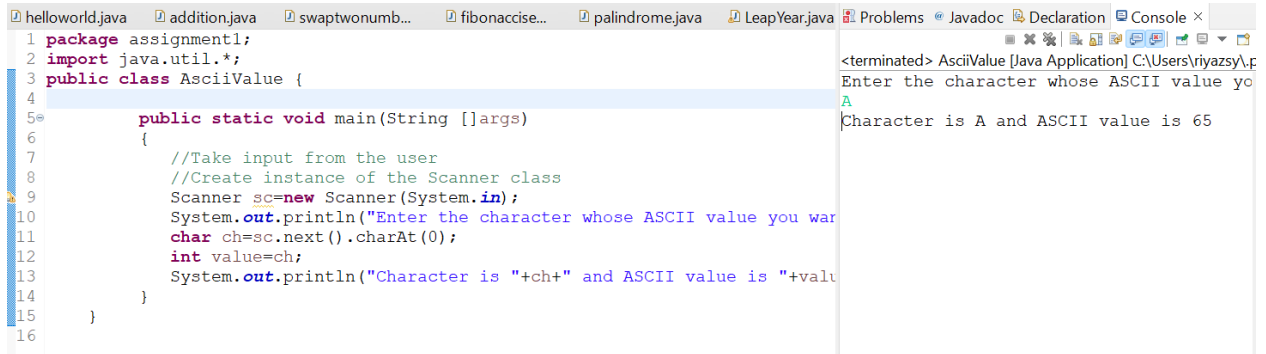
```java
package assignment1;
import java.util.Scanner;
public class LeapYear {

    public static void main(String[] args){
        int year;
        System.out.println("Enter an Year :: ");
        Scanner sc = new Scanner(System.in);
        year = sc.nextInt();

        if (((year % 4 == 0) && (year % 100!= 0)) || (year%400 == 0))
            System.out.println("Specified year is a leap year");
        else
            System.out.println("Specified year is not a leap year");
    }
}
```

Console:
```
<terminated> LeapYear [Java Application] C:\Users\riyazsy\.p2\p
Enter an Year ::
2004
Specified year is a leap year
```

https://codeshare.io/yo0YDv

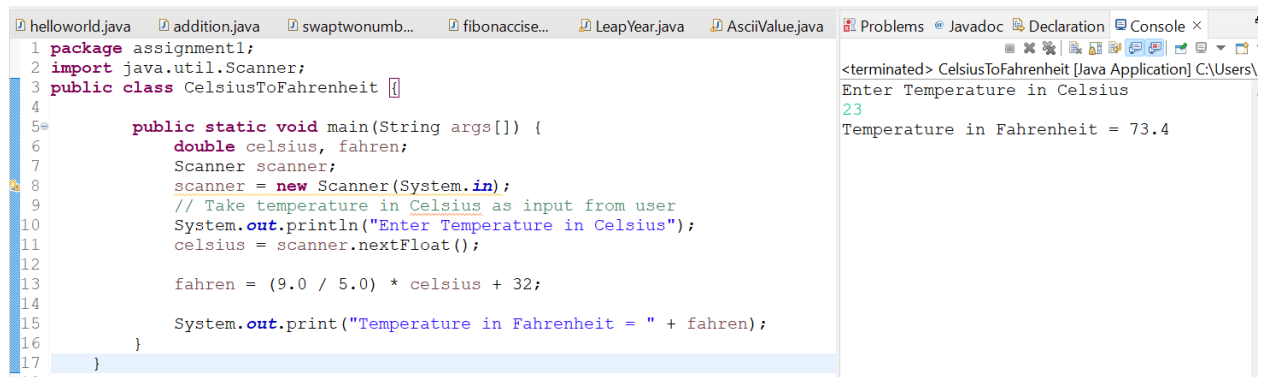5. Write a Java program to print the ASCII value of a given character.

```java
package assignment1;
import java.util.*;
public class AsciiValue {

    public static void main(String []args)
    {
        //Take input from the user
        //Create instance of the Scanner class
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter the character whose ASCII value you war
        char ch=sc.next().charAt(0);
        int value=ch;
        System.out.println("Character is "+ch+" and ASCII value is "+valu
    }
}
```

Console output:
```
<terminated> AsciiValue [Java Application] C:\Users\riyazsy\.p
Enter the character whose ASCII value yo
A
Character is A and ASCII value is 65
```

https://codeshare.io/xv4Ygk

6. Write a Java program to convert Celsius to Fahrenheit.
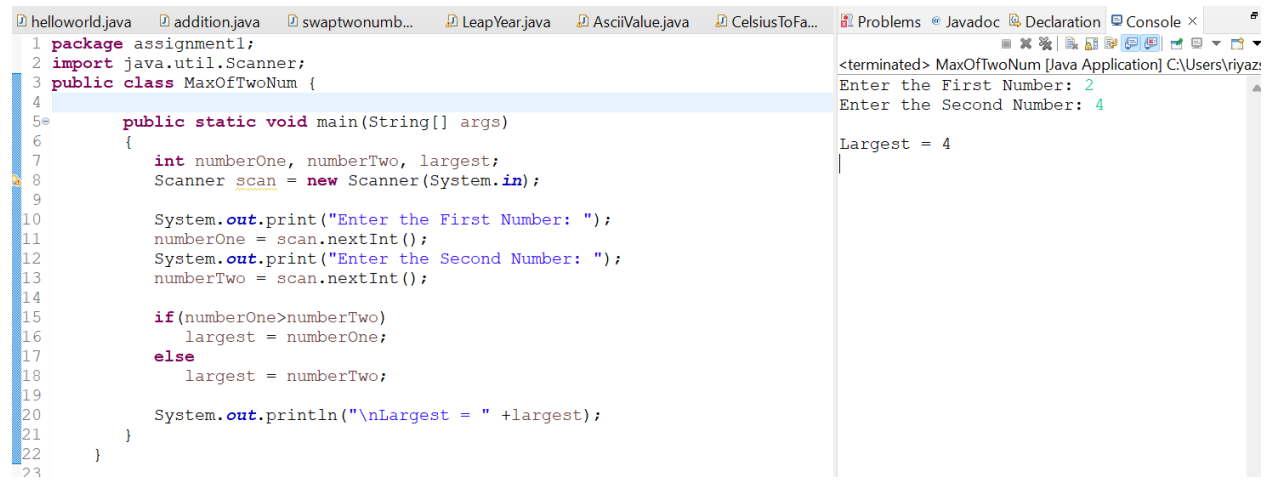
```java
package assignment1;
import java.util.Scanner;
public class CelsiusToFahrenheit {

    public static void main(String args[]) {
        double celsius, fahren;
        Scanner scanner;
        scanner = new Scanner(System.in);
        // Take temperature in Celsius as input from user
        System.out.println("Enter Temperature in Celsius");
        celsius = scanner.nextFloat();

        fahren = (9.0 / 5.0) * celsius + 32;

        System.out.print("Temperature in Fahrenheit = " + fahren);
    }
}
```

Console output:
```
<terminated> CelsiusToFahrenheit [Java Application] C:\Users\
Enter Temperature in Celsius
23
Temperature in Fahrenheit = 73.4
```

https://codeshare.io/ZJEWDQ

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

```java
package assignment1;
import java.util.Scanner;
public class MaxOfTwoNum {

    public static void main(String[] args)
    {
        int numberOne, numberTwo, largest;
        Scanner scan = new Scanner(System.in);

        System.out.print("Enter the First Number: ");
        numberOne = scan.nextInt();
        System.out.print("Enter the Second Number: ");
        numberTwo = scan.nextInt();

        if(numberOne>numberTwo)
            largest = numberOne;
        else
            largest = numberTwo;

        System.out.println("\nLargest = " +largest);
    }
}
```

```
<terminated> MaxOfTwoNum [Java Application] C:\Users\riyaz:
Enter the First Number: 2
Enter the Second Number: 4

Largest = 4
```

https://codeshare.io/Ad1JyE