

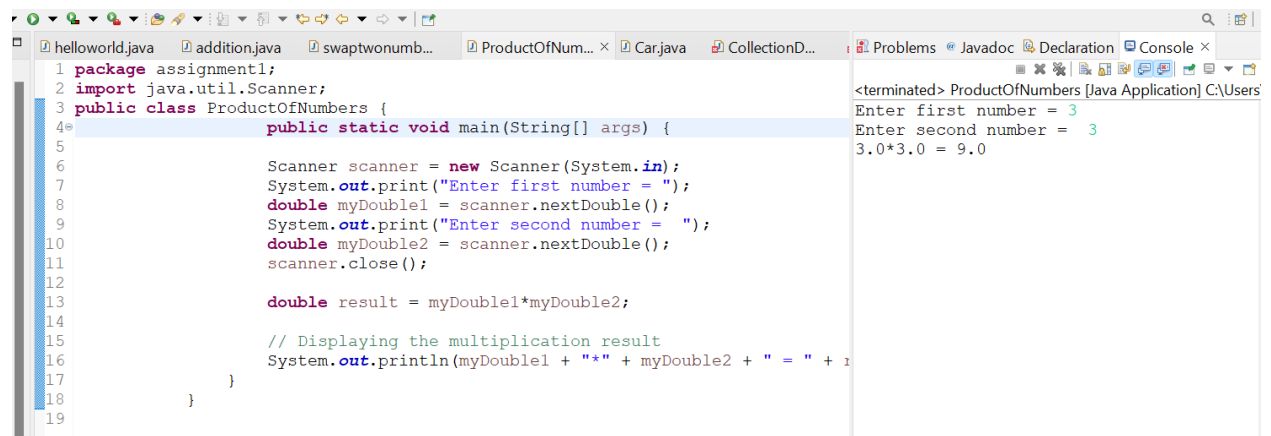
# Assignment-01

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Questions:

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



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

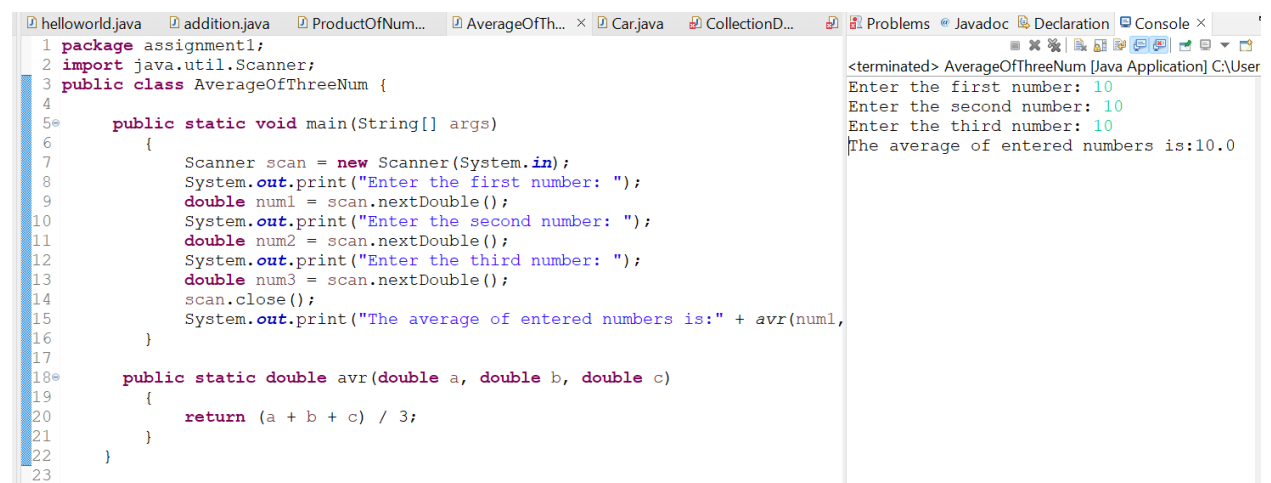
```
1 package assignment1;
2 import java.util.Scanner;
3 public class ProductOfNumbers {
4     public static void main(String[] args) {
5
6         Scanner scanner = new Scanner(System.in);
7         System.out.print("Enter first number = ");
8         double myDouble1 = scanner.nextDouble();
9         System.out.print("Enter second number = ");
10        double myDouble2 = scanner.nextDouble();
11        scanner.close();
12
13        double result = myDouble1*myDouble2;
14
15        // Displaying the multiplication result
16        System.out.println(myDouble1 + "*" + myDouble2 + " = " + result);
17    }
18 }
19
```

The console output on the right shows the program execution:

```
<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.



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

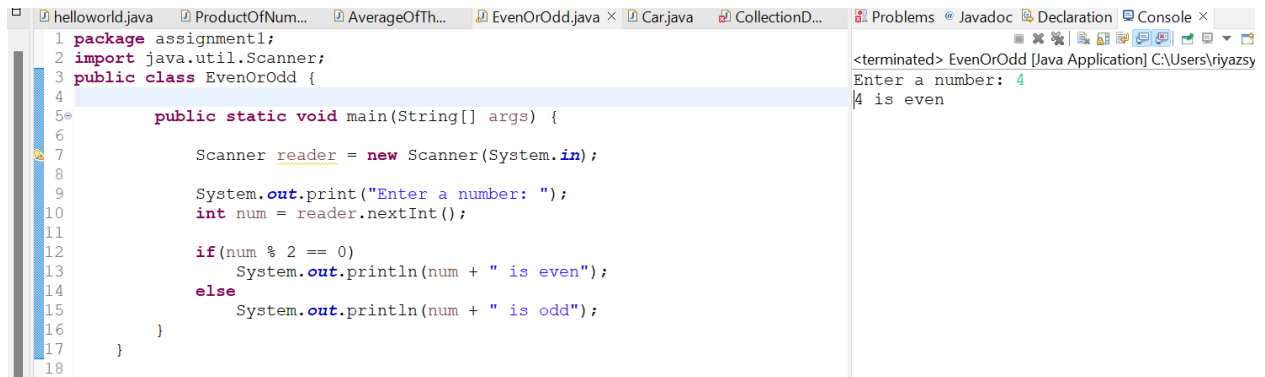
```
1 package assignment1;
2 import java.util.Scanner;
3 public class AverageOfThreeNum {
4
5     public static void main(String[] args)
6     {
7         Scanner scan = new Scanner(System.in);
8         System.out.print("Enter the first number: ");
9         double num1 = scan.nextDouble();
10        System.out.print("Enter the second number: ");
11        double num2 = scan.nextDouble();
12        System.out.print("Enter the third number: ");
13        double num3 = scan.nextDouble();
14        scan.close();
15        System.out.print("The average of entered numbers is:" + avr(num1, num2, num3));
16    }
17
18    public static double avr(double a, double b, double c)
19    {
20        return (a + b + c) / 3;
21    }
22 }
23
```

The console output on the right shows the program execution:

```
<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.

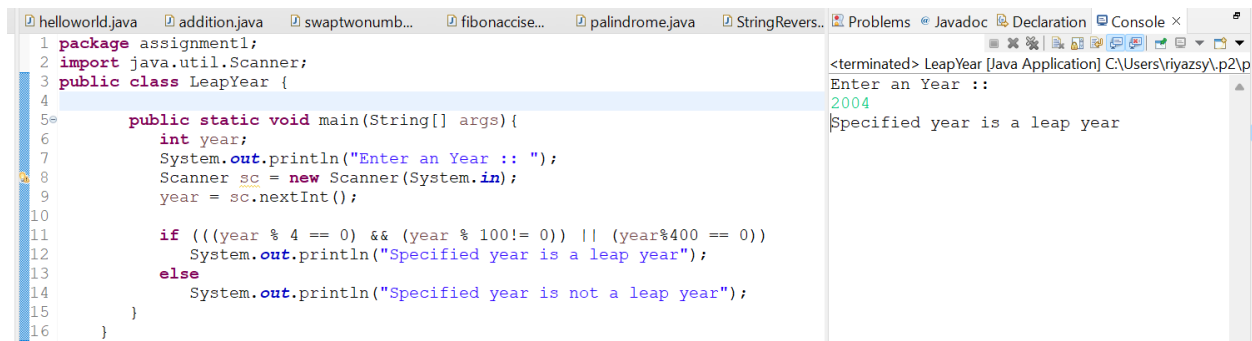


```
1 package assignment1;  
2 import java.util.Scanner;  
3 public class EvenOrOdd {  
4  
5     public static void main(String[] args) {  
6  
7         Scanner reader = new Scanner(System.in);  
8  
9         System.out.print("Enter a number: ");  
10        int num = reader.nextInt();  
11  
12        if(num % 2 == 0)  
13            System.out.println(num + " is even");  
14        else  
15            System.out.println(num + " is odd");  
16    }  
17 }  
18
```

<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.

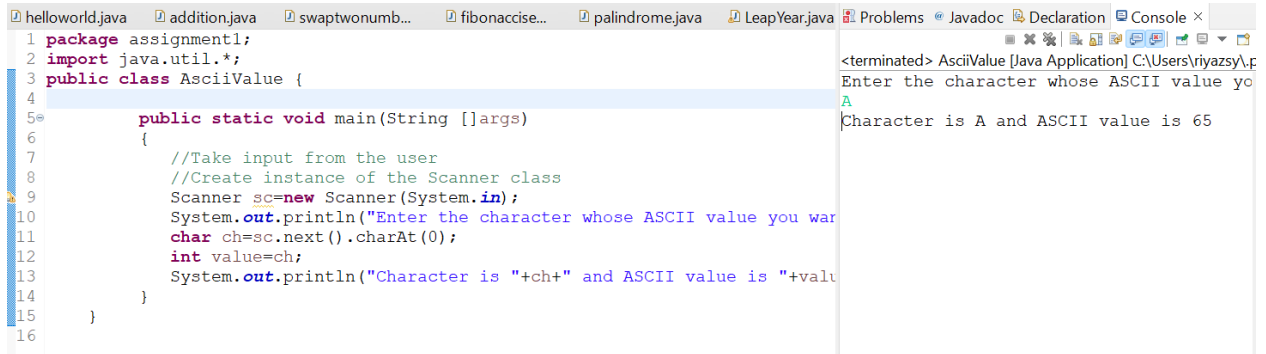


```
1 package assignment1;  
2 import java.util.Scanner;  
3 public class LeapYear {  
4  
5     public static void main(String[] args){  
6         int year;  
7         System.out.println("Enter an Year :: ");  
8         Scanner sc = new Scanner(System.in);  
9         year = sc.nextInt();  
10  
11        if (((year % 4 == 0) && (year % 100 != 0)) || (year % 400 == 0))  
12            System.out.println("Specified year is a leap year");  
13        else  
14            System.out.println("Specified year is not a leap year");  
15    }  
16 }
```

<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.



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

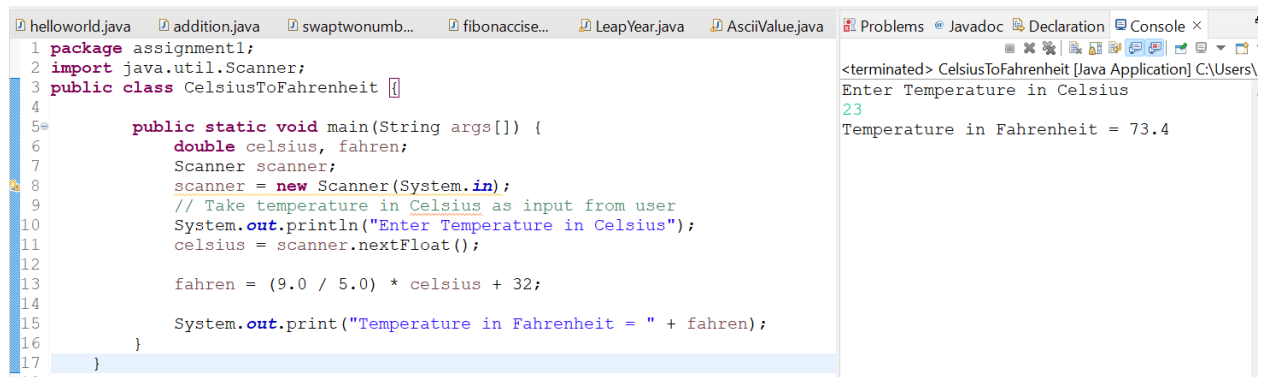
```
1 package assignment1;  
2 import java.util.*;  
3 public class AsciiValue {  
4  
5     public static void main(String []args)  
6     {  
7         //Take input from the user  
8         //Create instance of the Scanner class  
9         Scanner sc=new Scanner(System.in);  
10        System.out.println("Enter the character whose ASCII value you want to find");  
11        char ch=sc.next().charAt(0);  
12        int value=ch;  
13        System.out.println("Character is "+ch+" and ASCII value is "+value);  
14    }  
15 }  
16
```

The console output shows the program execution:

```
<terminated> AsciiValue [Java Application] C:\Users\riyazsy\p...  
Enter the character whose ASCII value you want to find  
A  
Character is A and ASCII value is 65
```

<https://codeshare.io/xv4Ygk>

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



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

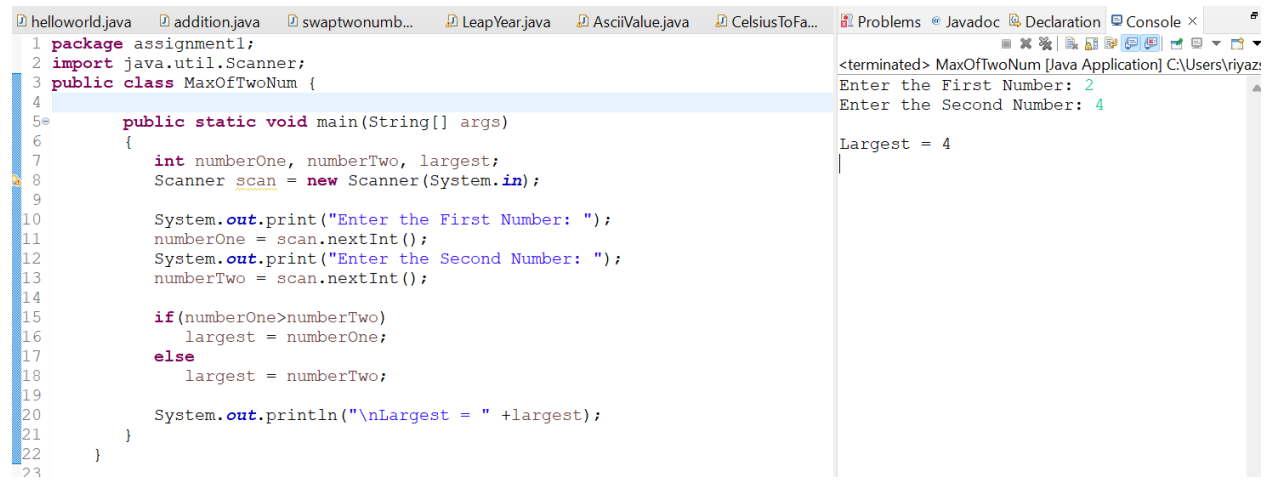
```
1 package assignment1;  
2 import java.util.Scanner;  
3 public class CelsiusToFahrenheit {  
4  
5     public static void main(String args[]) {  
6         double celsius, fahrenheit;  
7         Scanner scanner;  
8         scanner = new Scanner(System.in);  
9         // Take temperature in Celsius as input from user  
10        System.out.println("Enter Temperature in Celsius");  
11        celsius = scanner.nextFloat();  
12  
13        fahrenheit = (9.0 / 5.0) * celsius + 32;  
14  
15        System.out.print("Temperature in Fahrenheit = " + fahrenheit);  
16    }  
17 }  
18
```

The console output shows the program execution:

```
<terminated> CelsiusToFahrenheit [Java Application] C:\Users\riyazsy\p...  
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

The screenshot shows an IDE with a Java file named 'MaxOfTwoNum.java'. The code defines a class 'MaxOfTwoNum' with a 'main' method. It uses 'Scanner' to take two integers as input. The first input is 2 and the second is 4. An 'if' statement checks if the first number is greater than the second. Since 2 is not greater than 4, the 'else' branch is executed, setting 'largest' to 4. The final output is 'Largest = 4'.

```
1 package assignment1;
2 import java.util.Scanner;
3 public class MaxOfTwoNum {
4
5     public static void main(String[] args)
6     {
7         int numberOne, numberTwo, largest;
8         Scanner scan = new Scanner(System.in);
9
10        System.out.print("Enter the First Number: ");
11        numberOne = scan.nextInt();
12        System.out.print("Enter the Second Number: ");
13        numberTwo = scan.nextInt();
14
15        if(numberOne>numberTwo)
16            largest = numberOne;
17        else
18            largest = numberTwo;
19
20        System.out.println("\nLargest = " +largest);
21    }
22 }
23
```

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

<https://codeshare.io/Ad1JyE>