

Assignment – 1

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

<https://codeshare.io/1Y8yVj>

```
1 package assing_1;
2
3 public class Product_of_num {
4     public static void main(String[] args) {
5         int num1 = 5;
6         int num2 = 10;
7         int product = num1 * num2;
8         System.out.println("Product of " + num1 + " and " + num2 + " is " + product);
9     }
10 }
11 |
```

```
<terminated> Product_of_num [Java Application] C:\Progra
Product of 5 and 10 is 50
```



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

<https://codeshare.io/YLE4WL>

```
1 package assing_1;
2 import java.util.Scanner;
3
4 public class Average_num {
5     public static void main(String[] args) {
6         Scanner scanner = new Scanner(System.in);
7         System.out.println("Enter three numbers:"); // i/p
8         double num1 = scanner.nextDouble();
9         double num2 = scanner.nextDouble();
10        double num3 = scanner.nextDouble();
11        double average = (num1 + num2 + num3) / 3; // average formula
12        System.out.println("Average of " + num1 + ", " + num2 + " and " + num3 + " is " + average);
13    }
14 }
```

Enter three numbers:

10 5 6

<term

Average of 10.0, 5.0 and 6.0 is 7.0

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

<https://codeshare.io/lonx4B>

```
1 package assing_1;
2 import java.util.Scanner;
3
4 // even/odd program
5
6 public class Even_odd {
7     public static void main(String[] args) {
8         Scanner input = new Scanner(System.in);
9         System.out.print("Enter a number: "); // input
10        int num = input.nextInt();
11        if (num % 2 == 0) {
12            System.out.println(num + " is even"); // print even
13        } else {
14            System.out.println(num + " is odd"); // print odd
15        }
16    }
17 }
18
19
```

Problems @ Javadoc Declaration Console ×

<terminated> Even_odd [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-Feb-2023, 5:1

Enter a number: 22

22 is even

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

<https://codeshare.io/lonxkB>

```
1 package assing_1;
2 import java.util.Scanner;
3
4 public class Leap_year {
5     public static void main(String[] args) {
6         Scanner scanner = new Scanner(System.in);
7         System.out.println("Enter a year:");
8         int year = scanner.nextInt();
9         boolean isLeapYear = false; // initializing the variable value as false
10
11         if (year % 4 == 0) {
12             if (year % 100 == 0) {
13                 if (year % 400 == 0) {
14                     isLeapYear = true;
15                 }
16             }
17             else {
18                 isLeapYear = true;
19             }
20         }
21
22         if (isLeapYear) //if true
23         {
24             System.out.println(year + " is a leap year");
25         } else {
26             System.out.println(year + " is not a leap year");
27         }
28     }
29 }
30
31
```

Problems @ Javadoc Declaration Console ×

<terminated> Leap_year [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-Feb-2023, 5:18:5

Enter a year:

2023

2023 is not a leap year

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

<https://codeshare.io/qPmYXX>

```
1 package assing_1;
2 import java.util.Scanner;
3
4 public class Ascii_value {
5     public static void main(String[] args) {
6
7         Scanner scanner = new Scanner(System.in);
8         System.out.println("Enter a character:");
9         char ch = scanner.next().charAt(0);    // input in character
10
11         int asciiCode = (int) ch;    // converting into integer value
12
13         System.out.println("The ASCII value of " + ch + " is " + asciiCode);
14     }
15 }
16
17 }
18
```

Problems @ Javadoc Declaration Console ×

<terminated> Ascii_value [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-Feb-2023, 5:21:52 pm – 5:21:58 pm) [pid: 7564]

Enter a character:

A

The ASCII value of A is 65

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

<https://codeshare.io/dwQxMz>

```
1 package assing_1;
2 import java.util.Scanner;
3
4
5 public class Cel_to_Far {
6
7     public static void main(String[] args) {
8         Scanner scanner = new Scanner(System.in);
9         System.out.println("Enter temperature in Celsius:");
10        double celsius = scanner.nextDouble();
11        double fahrenheit = (celsius * 9 / 5) + 32; //Common conversions
12        System.out.println(celsius + " degrees Celsius is equal to " + fahrenheit +
13            " degrees Fahrenheit.");
14    }
15
16 }
17
```

Problems @ Javadoc Declaration Console ×

<terminated> Cel_to_Far [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-Feb-2023, 5:26:40 pm – 5:26:44 pm) [pid: 14144]

Enter temperature in Celsius:

27

27.0 degrees Celsius is equal to 80.6 degrees Fahrenheit.