

Assignment-01

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

<https://codeshare.io/PdE38o>

```
1 package assignment_1;
2
3 public class product_of_two {
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 }
12 |
```

<terminated> product_of_two [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-Feb-2023, 5:15:41 pm – 5:15:42 pm) [pid: 8048]

Product of 5 and 10 is: 50

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

<https://codeshare.io/BA7Xgn>

```
1 package assignment_1;
2
3 public class Average_of_three {
4     public static void main(String[] args) {
5         int num1=34;
6         int num2=70;
7         int num3=65;
8         float average=(num1+num2+num3)/3;
9         System.out.println("Average of "+num1+", "+num2+" and "+num3+" is "+average);
10     }
11 }
12 }
13 |
```

```
<terminated> Average_of_three [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-Feb-2023, 5:24:57 pm - 5:24:59 pm) [pid: 18120]
```

Average of 34, 70 and 65 is 56.0

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

<https://codeshare.io/8pLLqE>

```
1 package assignment_1;
2 import java.util.Scanner;
3
4 public class even_or_odd {
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        //Check whether the number is even or odd
12        if(num % 2 == 0)
13            System.out.println(num + " is even");
14        else
15            System.out.println(num + " is odd");
16    }
17 }
18
```

Output:

```
markers | Properties | Servers | Data Source Explorer | Snippets | Terminal | Console
<terminated> even_or_odd [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-Feb-2023, 5:29:22 pm - 5:29:25 pm) [pid: 428]
```

Enter a number: 7

7 is odd

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

<https://codeshare.io/RbvZWO>

```
1 package assignment_1;
2
3 public class leap_year {
4     public static void main(String[] args) {
5
6         // year to be checked
7         int year = 2000;
8         boolean leap = false;
9
10        // if the year is divided by 4
11        if (year % 4 == 0) {
12
13            // if the year is century
14            if (year % 100 == 0) {
15
16                // if year is divided by 400
17                // then it is a leap year
18                if (year % 400 == 0)
19                    leap = true;
20                else
21                    leap = false;
22            }
23
24            // if the year is not century
25            else
26                leap = true;
27        }
28
29        else
30            leap = false;
31
32        if (leap)
33            System.out.println(year + " is a leap year.");
34        else
35            System.out.println(year + " is not a leap year.");
36    }
37 }
38
```

Output:

```
<terminated> leap_year [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-Feb-2023, 5:36:00 pm - 5:36:01 pm) [pid: 19012]
```

2000 is a leap year.

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

<https://codeshare.io/dwQxpz>

```
1 package assignment_1;
2
3 public class Ascii_value {
4     public static void main(String[] args)
5     {
6         // character whose ASCII value to be found
7         char ch1 = 'a';
8         char ch2 = 'b';
9         // variable that stores the integer value of the character
10        int asciivalue1 = ch1;
11        int asciivalue2 = ch2;
12        System.out.println("The ASCII value of " + ch1 + " is: " + asciivalue1);
13        System.out.println("The ASCII value of " + ch2 + " is: " + asciivalue2);
14    }
15 }
16
```

Output:

```
<terminated> Ascii_value [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-Feb-2023, 5:40:36 pm - 5:40:36 pm) [pid: 12780]
```

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

```
The ASCII value of b is: 98
```

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

<https://codeshare.io/3AbqpV>

```
1 package assignment_1;
2 import java.util.Scanner;
3
4 public class Celcius_to_farhenheat {
5
6     public static void main(String[] args)
7     {
8         // Java Program to Convert Celsius into Fahrenheit
9         // initialising
10        Scanner in=new Scanner(System.in);
11        System.out.println("Enter celcius: ");
12        double celsius = in.nextDouble();
13        double fahrenheit = 0.0;
14
15        // formula for conversion
16        fahrenheit = (celsius * 1.8) + 32;
17        System.out.println(
18            " value of temperature in fahrenheit:"
19            + fahrenheit);
20    }
21 }
22
```

Output:

```
<terminated> Celcius_to_fahrenheit [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-Feb-2023, 5:47:40 pm - 5:47:44 pm) [pid: 10216]
Enter celcius:
67
value of temperature in fahrenheit:152.60000000000002
```

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

<https://codeshare.io/RbvZA3>

```
1 package assignment_1;
2
3 import java.util.Scanner;
4
5 public class Maximum_of_two {
6     public static void main (String[]args)
7     {
8         Scanner in=new Scanner(System.in);
9         System.out.println("Enter First number: ");
10        int num1=in.nextInt();
11        System.out.println("Enter Second number: ");
12        int num2=in.nextInt();
13        if (num1 == num2)
14            System.out.println ("both are equal");
15        else if (num1 > num2)
16            System.out.println (num1 + " is greater");
17
18        else
19            System.out.println (num2 + " is greater");
20
21    }
22
23 }
24
```

Output:

```
<terminated> Maximum_of_two [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-Feb-2023, 5:54:11 pm - 5:54:16 pm) [pid: 19100]
Enter First number:
89
Enter Second number:
76
89 is greater
```