Week 3

1. Write a java program to add the two numbers.

Program:

```
package week3;
public class sumoftwonum{
    public static void main(String[] args){
        int a=28;
        int b=17;
        int sum=a+b;
        System.out.print("Sum = "+sum);
    }
}
```

Output:

2. Write a java program to multiply two floating numbers.

Program:

```
package week3;
public class floatproduct{
    public static void main(String[] args){
        double a=5.40;
        double b=1.78;
```

```
        double pro=a*b;
        System.out.print("Product = "+pro);
    }
}
```

Output:

3. Write a java program to display a cube of a number.

Program:

```
package week3;


public class cube{
    public static void main(String[] args){
        int num=7;
        int cube=num*num*num;
        System.out.print("Cube of "+num+" is "+cube);
    }
}
```

Output:

---

4. Write a java program that takes three numbers as input to calculate and print the average of the numbers.

Program:

```
package week3;

import java.util.Scanner;


public class avgofthree{
    public static void main(String[] args){
        //creating a scanner object to read input:
        Scanner scanner=new Scanner(System.in);
        System.out.print("Enter Integer-1: ");
        int a=scanner.nextInt();
        System.out.print("Enter Integer-2: ");
        int b=scanner.nextInt();
        System.out.print("Enter Integer-3: ");
        int c=scanner.nextInt();
        double avg=(a+b+c)/3.0;
        System.out.println("Average of "+a+", "+b+" and "+c+" is: "+avg);
    }
}
```

Output:

5. Write a java program to compute the distance between two points.

Program:

```
package week3;


public class distance{
    public static void main(String[] args){
        double x1=4, y1=2;
        double x2=1, y2=6;
        double distance;
        distance=Math.sqrt(Math.pow(x2-x1,2)+Math.pow(y2-y1,2));
        System.out.print("Distance Point 1 and Point 2 is: "+distance);
    }
}
```

Output: