21SW084
LAB#06 TASKS

01. Write java code that takes a value at runtime and searches it in the array. If the value appears in the array then it prints the position of the value or else prints a message that value is not found.

```
public class Lab {

    public static void main(String[] args) {

        int Array[] = {1, 2, 3, 4, 5};

        Scanner obj = new Scanner(System.in);

        System.out.println("enter number for testing");

        int num = obj.nextInt();

        boolean found = false;

        for (int i = 0; i < Array.length; i++) {

            if (num == Array[i]) {

                found = true;

            }}

            if (found == true) {

                System.out.println("present");

            } else {

                System.out.println("not found");

            }
```

```
    }
```

Output:

```
enter number for testing
5
present
```

02. Write a java program to demonstrate the concept of java runtime arguments. Input your

name and roll number and print it on the console.

```
import java.util.Scanner;
  class Mids{
    public static void main(String[] args){
      Scanner input=new Scanner(System.in);
      System.out.println("enter your name");
      String name=input.nextLine();
      System.out.println("enter rollno");
      int rollno=input.nextInt();
      System.out.println("name:"+name);
      System.out.println("rollno: "+rollno);
    }}
```

Output:

```
enter your name
```

dua

enter rollno

84

name: dua

rollno: 84

03. Develop a java program that takes 5 floating numbers as runtime arguments and print their total sum and average.

```
public class lab06 {
   float Sum(float a, float b, float c, float d, float e){
      System.out.println("average= "+ ((a+b+c+d+e)/5));
      return a+b+c+d+e;}
   public static void main(String[] args) {
      System.out.println("enter five number for final addition and average");
      Scanner obj=new Scanner(System.in);
      System.out.println("enter the value of 1st variable: ");
      float a=obj.nextFloat();
      System.out.println("enter the value of 2nd variable: ");
      float b=obj.nextFloat();
      System.out.println("enter the value of 3rd variable: ");
      float c=obj.nextFloat();
```

```
        System.out.println("enter the value of 4rth variable: ");
        float d=obj.nextFloat();
        System.out.println("enter the value of 5th variable: ");
        float e=obj.nextFloat();
        lab06 sum=new lab06();
        System.out.println("sum will be "+sum.Sum(a,b,c,d,e));
    }}
```

Output:

```
enter five number for final addition and average
enter the value of 1st variable:
2.4
enter the value of 2nd variable:
3.2
enter the value of 3rd variable:
5.5
enter the value of 4rth variable:
1.1
enter the value of 5th variable:
4.4
average= 3.3200002
sum will be 16.6
```