LAB 1: PRACTICE PROGRAMS

1.) **PROGRAM** – 1

INPUT:

```
C:\Users\91944\OneDrive\Desktop\OOJLAB\Lab_1>javac OddEven.java

C:\Users\91944\OneDrive\Desktop\OOJLAB\Lab_1>java OddEven
Enter the size of the array:
5
---Enter the elements of the array: 10
Enter the element at index 0 of the array: 20
Enter the element at index 1 of the array: 30
Enter the element at index 2 of the array: 40
Enter the element at index 4 of the array: 50

The Sum of numbers at EVEN indicies: 90
The Sum of numbers at ODD indicies: 60

C:\Users\91944\OneDrive\Desktop\OOJLAB\Lab_1>
```

2.) **PROGRAM - 2**

INPUT:

```
C:\Users\91944\OneDrive\Desktop\OOJLAB\Lab_1>javac count.java

C:\Users\91944\OneDrive\Desktop\OOJLAB\Lab_1>javac count
Enter the size of the array :
5
---Enter the elements of the array : 4
Enter the element 1 of the array : 10
Enter the element 2 of the array : 10
Enter the element 3 of the array : -39
Enter the element 4 of the array : 0
Enter the element 5 of the array : -1

The number of POSITIVE numbers in the array is : 2
The number of NEGATIVE numbers in the array is : 2
The number of ZEROs in the array is : 1

C:\Users\91944\OneDrive\Desktop\OOJLAB\Lab_1>
```

3.) **PROGRAM - 3**

INPUT:

4.) **PROGRAM** – 4

INPUT:

```
C:\Users\91944\OneDrive\Desktop\OOJLAB\Lab_1\Compute.java - Sublime Text (UNREGISTERED)
                                                                                                                                                                                                         × Compute.java
                    import java.util.*;
import java.util.Scanner;
                                public static void main(String[] args)
                                          int n, i, j, k, max, min, sum;
sum = 0;
float avg;
Scanner ss = new Scanner(System.in);
System.out.println("Enter the number of elements in the array :");
n = ss.nextInt();
int arr[] = new int[n];
int odd[] = new int[n];
int even[] = new int[n];
System.out.println("\nEnter the elements of the array :\n");
for(i = 0; i < n; i++)
{</pre>
                                                      \label{eq:system.out.print}  System.out.print("Enter the element "+(i+1)+" of the array : "); \\ arr[i] = ss.nextInt(); 
                                                                 even[j] = arr[i];
j++;
                                                                 odd[k] = arr[i];
k++;
                                            max = even[0];
min = even[0];
for(i = 0; i < j; i++)</pre>
      sum += even[i];
if (even[i] > max)
    max = even[i];
if (even[i] < min)
    min = even[i];</pre>
                                           }
System.out.println("\n<-----RESULTS OF EVEN ARRAY----->\n");
System.out.println("SUM of numbers : "*sum);
System.out.printf("AVERAGE of numbers : %.2f\n",((float)sum/j));
System.out.println("MAXIMUM of numbers : "*max);
System.out.println("MINIMUM of numbers : "*min);
                                           sum = 0;
max = odd[0];
min = odd[0];
for(i = 0; i < k; i++)</pre>
                                                      sum += odd[i];
if (odd[i] > max)
    max = odd[i];
if (odd[i] < min)
    min = odd[i];</pre>
                                            }

System.out.println("\n<----RESULTS OF ODD ARRAY-----\n");
System.out.println("SUM of numbers : "+sum);
System.out.printf("AVERAGE of numbers : %.2f\n",((float)sum/k));
System.out.println("MAXIMUM of numbers : "-max);
System.out.println("MINIMUM of numbers : "-min);
```

```
Command Prompt
C:\Users\91944\OneDrive\Desktop\OOJLAB\Lab_1>javac Compute.java
C:\Users\91944\OneDrive\Desktop\OOJLAB\Lab_1>java Compute
Enter the number of elements in the array :
Enter the elements of the array :
Enter the element 1 of the array : 22
Enter the element 2 of the array : 33
Enter the element 3 of the array : 44
Enter the element 4 of the array : 55
Enter the element 5 of the array : 66
Enter the element 6 of the array : 77
<---->
SUM of numbers : 132
AVERAGE of numbers : 44.00
MAXIMUM of numbers : 66
MINIMUM of numbers : 22
<---->
SUM of numbers : 165
AVERAGE of numbers : 55.00
MAXIMUM of numbers : 77
MINIMUM of numbers : 33
C:\Users\91944\OneDrive\Desktop\OOJLAB\Lab_1>
```