Name - Akriti Choudhary Roll number- 2005776 Section- cse25 Date - 1/2/2022 WT LAB3 1.WAP to find the largest among 3 numbers user entered nos. At the command prompt using Java.

```
public class maxNum
{
   public static void main(String[] args)
   {
      int a = Integer.parseInt(args[0]);
      int b = Integer.parseInt(args[1]);
      int c = Integer.parseInt(args[2]);

      int max = a;
      if(max < b)
      {
            max = b;
      }
      if(max < c)
      {
            max = c;
      }
      System.out.println("Maximum num = " +max);
    }
}</pre>
```

2. WAP to accept 10 numbers from command line and check how many of them are even and how many odd.

```
public class evenOdd {

public static void main(String[] args) {
    int[] arr = new int[10];
    int a;
    for (int i = 0; i < 10; ++i) {
        a = Integer.parseInt(args[i]);
        arr[i] = a;
    }
    for (int i = 0; i < 10; ++i) {

        if (arr[i] % 2 == 0) {
            System.out.println("Even");
        } else {
            System.out.println("odd");
        }
    }
}</pre>
```

3. WAP to enter 'n' numbers from command line and find minimum, maximum, average, and standard deviation of these list of numbers.

```
import java.lang.Math;
public class maxMin {
  public static void main(String[] args) {
    int[] arr = new int[5];
    int a:
    for (int i = 0; i < 5; ++i) {
      a = Integer.parseInt(args[i]);
      arr[i] = a;
    int max = 0;
    int min = 0;
    int sum = 0;
    int standardDeviation = 0;
    for (int i = 0; i < 10; ++i) {
      if (arr[i] > max) {
         max = arr[i];
      if (arr[i] < min) {
         min = arr[i];
      sum += arr[i];
    int mean = sum / 5;
    for (int i = 0; i < 5; i++) {
      standardDeviation = standardDeviation + (int) Math.pow((arr[i] - mean), 2);
    }
    System.out.println("Max Num = " + max);
    System.out.println("Min Num = " + min);
    System.out.println("Average = " + sum / 5);
    System.out.println("standardDeviation = " + standardDeviation);
  }
}
```

4. WAP to sort the user entered list of numbers of any size using bubble sort.

```
}
  }
  void printArray(int arr[])
    int n = arr.length;
    for (int i=0; i< n; ++i)
      System.out.print(arr[i] + " ");
    System.out.println();
  public static void main(String args[])
    int[] arr = new int[5];
    int a;
    for (int i = 0; i < 5; ++i) {
      a = Integer.parseInt(args[i]);
      arr[i] = a;
    bubblesort ob = new bubblesort();
    ob.bubbleSort(arr);
    System.out.println("Sorted array");
    ob.printArray(arr);
5. WAP to design a calculator which receive <first number> <operator> <second number>
from command line and display result.
public class calculator {
  public static void main(String[] args) {
    int a = Integer.parseInt(args[o]);
    String b = args[1];
    int c = Integer.parseInt(args[2]);
    if (b.equals("+")) {
      System.out.println(a + c = + (a + c));
    if (b.equals("-")) {
      System.out.println("a - c = " + (a - c));
    if (b.equals("*")) {
      System.out.println("a * c = " + (a * c));
    if (b.equals("/")) {
      System.out.println("a / c = " + (a / c));
```

}

}

}