<u>Lab Assignment – 2</u> WAP for Insertion sort

INSERTION SORT CODE:

```
package rec Program;
import java.util.*;
public class InsertionSort {
    public static void insertionSort(int[] arr)
        for (int i = 1; i < arr.length; i++)</pre>
            int value = arr[i];
            int j = i;
            while (j > 0 && arr[j - 1] > value)
                arr[j] = arr[j - 1];
                j--;
            arr[j] = value;
        }
    }
    public static void main(String[] args) {
         // TODO Auto-generated method stub
         int a, 1, array[];
          Scanner s = new Scanner(System.in);
           System.out.println("enter array length: ");
           1 = s.nextInt();
           array = new int[1];
           System.out.println("enter " + 1 + " elements");
           for(a = 0; a < 1; a++)
              array[a] = s.nextInt();
```

```
insertionSort(array);
System.out.println("Sorted Array");
System.out.println(Arrays.toString(array));
```

INSERTION SORT CODE OUTPUT:

}

