DAILY ONLINE ACTIVITIES SUMMARY

Date:	**02-07-2020**	**Name:**	**Chethana j**
Sem & Sec	**6th Sem 'A' Sec**	**USN:**	**4AL17CS022**

Online Test Summary

Subject	-		
Max. Marks	-	**Score**	-

Pre-Placement Training Summary

Course	-		
Faculty	-	**Duration**	-

Coding Challenges

Problem Statement: 1. Write a program that will read a sequence of positive real numbers entered by the user and will print the same numbers in sorted order from smallest to largest. The user will input a zero to mark the end of the input. Assume that at most 100 positive numbers will be entered.

Status: done

Uploaded the report in Github	**Yes**
If yes Repository name	https://github.com/Jchethana1990/online-course https://github.com/Jchethana1990/Machine-learning-workshop
Uploaded the report in slack	**Yes**

Coding Challenge:

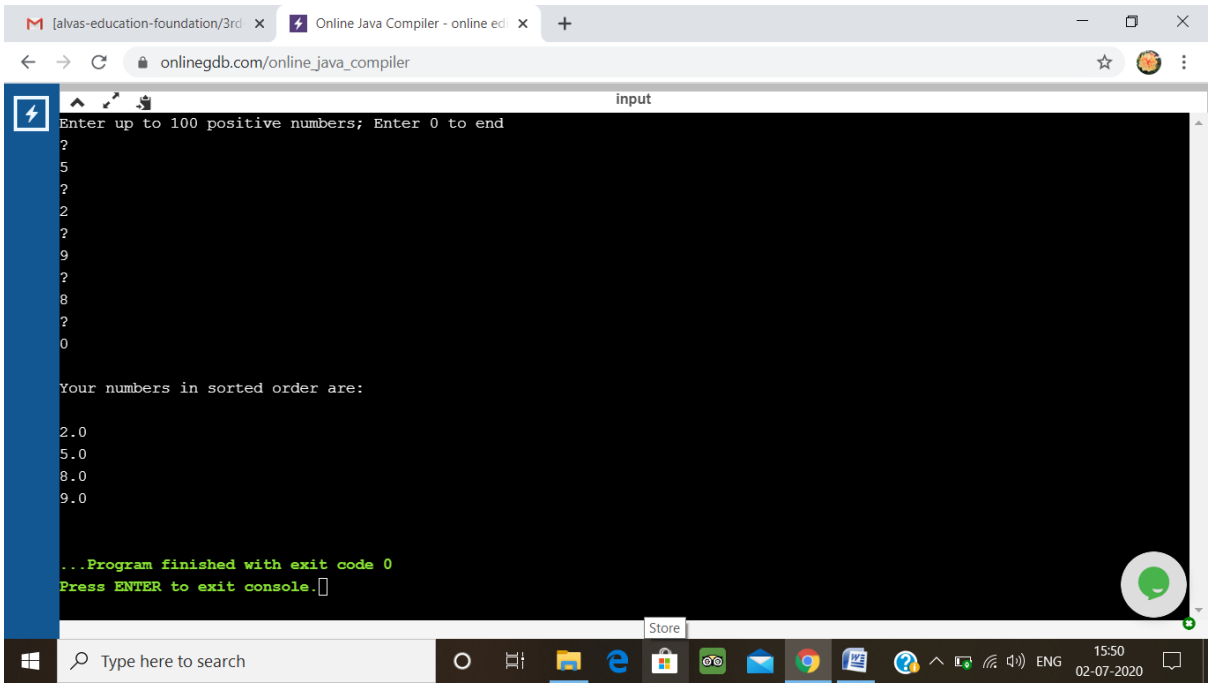
1. Write a program that will read a sequence of positive real numbers entered by the user and will print the same numbers in sorted order from smallest to largest. The user will input a zero to mark the end of the input. Assume that at most 100 positive numbers will be entered.

```
import java.util.*;

public class Main{


    public static void main(String[] args) {

      Scanner sc= new Scanner(System.in);


      double[] numbers;

      int numCt;

      double num;


      numbers = new double[100];

      numCt = 0;


      System. out. println("Enter up to 100 positive numbers; Enter 0 to end");


      while (true) {

        System. out. println("? ");

        num = sc.nextInt();;

        if (num <= 0)

          break;

        numbers[numCt] = num;

        numCt++;
```

```
  }

  selectionSort(numbers, numCt);

  System. out. println("\nYour numbers in sorted order are:\n");

  for (int i = 0; i < numCt; i++) {
     System. out. println( numbers[i] );
  }

}
static void selectionSort(double[] A, int count) {
  for ( int lastPlace = count - 1; lastPlace > 0; lastPlace-- ) {
    int maxLoc = 0;
    for (int j = 1; j <= lastPlace; j++) {
      if (A[j] > A[maxLoc]) {
        maxLoc = j;
      }
    }
    double temp = A[maxLoc];
    A[maxLoc] = A[lastPlace];
    A[lastPlace] = temp;
  }
}
```

}

Output:


[alvas-education-foundation/3rd
Online Java Compiler - online ed
onlinegdb.com/online_java_compiler
input
Enter up to 100 positive numbers; Enter 0 to end
?
5
?
2
?
9
?
8
?
0
Your numbers in sorted order are:
2.0
5.0
8.0
9.0
...Program finished with exit code 0
Press ENTER to exit console.
Store
Type here to search
ENG
15:50
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