

Aim:

Varun is developing an application to manage a list of exam scores. He wants to sort the scores in ascending order and display the sorted list. Write a Java program using ArrayList to help Varun implement this functionality.

Input Format:

- The user will input the exam scores as integers one by one. The user will enter a negative integer to indicate the end of the input.

Output Format:

- The program should display the sorted list of scores in ascending order in which the scores are separated by a space.

Source Code:

q29082/ExamScoreManager.java

```
package q29082;
import java.util.ArrayList;
import java.util.Collections;
import java.util.Scanner;

public class ExamScoreManager {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        ArrayList<Integer> examScores = new ArrayList<>();
        while(true){
            int score = scanner.nextInt();
            if(score < 0){
                break;
            }
            examScores.add(score);
        }
        // write the code..
        Collections.sort(examScores);
        for(int i = 0; i<examScores.size(); i++){
            System.out.print(examScores.get(i));
            if(i<examScores.size() - 1){
                System.out.print(" ");
            }
        }
        System.out.println();

        scanner.close();
    }
}
```

Execution Results - All test cases have succeeded!

Test Case - 1

User Output
14
15
17
12
13
11
-8
11 12 13 14 15 17

Test Case - 2
User Output
24
82
15
34
29
-7
15 24 29 34 82