

# Rajalakshmi Engineering College

Name: Shakthi B  
Email: 241801257@rajalakshmi.edu.in  
Roll no:  
Phone: null  
Branch: REC  
Department: AI & DS - Section 3  
Batch: 2028  
Degree: B.E - AI & DS

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## 2024\_28\_III\_OOPS Using Java Lab

### 2028\_REC\_OOPS using Java\_Week 4\_Q2

Attempt : 1  
Total Mark : 10  
Marks Obtained : 10

#### Section 1 : Coding

##### 1. Problem Statement

Anu is developing a tool for a conference registration system. Participants submit keywords related to their fields of interest. The organizer wants to sort these keywords alphabetically to generate tags for session grouping.

Write a program that accepts at least five keywords as input arguments and outputs them in sorted alphabetical order.

##### ***Input Format***

The first line of input contains an integer n, representing the number of keywords.

The second line of input contains n space-separated keywords (string).

##### ***Output Format***

The output prints n space separated strings representing the sorted keyword in alphabetical order.

Refer to the sample output for formatting specifications.

### ***Sample Test Case***

Input: 5

Blockchain Cloud AI Data Cybersecurity

Output: AI Blockchain Cloud Cybersecurity Data

### ***Answer***

// You are using Java

```
import java.util.*;
```

```
public class Main {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);

        int n = Integer.parseInt(sc.nextLine().trim());

        String[] keywords = sc.nextLine().trim().split("\\s+");

        if (keywords.length != n || n < 5 || n > 100) {
            System.out.println("Invalid number of keywords.");
            return;
        }

        Arrays.sort(keywords);

        for (int i = 0; i < n; i++) {
            System.out.print(keywords[i]);
            if (i != n - 1) System.out.print(" ");
        }

        sc.close();
    }
}
```

**Status :** Correct

**Marks :** 10/10