

# Rajalakshmi Engineering College

Name: Luqman T  
Email: 241801141@rajalakshmi.edu.in  
Roll no: 241801141  
Phone: 9789088590  
Branch: REC  
Department: AI & DS - Section 5  
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.Scanner;
```

```
import java.util.Arrays;
```

```
class Main {
```

```
    public static void main(String[] args) {
```

```
        Scanner scanner = new Scanner(System.in);
```

```
        int n = scanner.nextInt();
```

```
        String[] keywords = new String[n];
```

```
        for (int i = 0; i < n; i++) {  
            keywords[i] = scanner.next();  
        }
```

```
        Arrays.sort(keywords);
```

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

```
        System.out.println();
```

```
        scanner.close();
```

```
    }
```

```
}
```

Status : Correct

Marks : 10/10