

# Rajalakshmi Engineering College

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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.io.*;
import java.util.*; //use for arrays
import java.util.Scanner;
public class Main{
    public static void main(String[] args){
        Scanner scanner=new Scanner(System.in);
        int n=scanner.nextInt();
        scanner.nextLine();
        //after taking an int as input, use next line so that the string input is taken on
        the next line
```

```
String[] keywords=scanner.nextLine().split(" ");
/*scanner.nextLine gets the string as input in one line like "blockchain ai
cloud"
but using split(" ") makes it into an array like ["blockchain","ai","cloud"]*/
```

```
Arrays.sort(keywords); //sorts based on alphabetical order
```

```
for(int i=0;i<keywords.length;i++){
    System.out.print(keywords[i]);
    if(i<keywords.length-1){
        System.out.print(" "); //dont use println -> that will print a new line
    }
}
```

```
}
}
```

**Status :** Correct

**Marks :** 10/10