

# Rajalakshmi Engineering College

Name: Muthu Sri ram

Email: 241801174@rajalakshmi.edu.in

Roll no: 241801174

Phone: 9840740245

Branch: REC

Department: AI & DS - Section 1

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***

```
import java.util.Scanner;
import java.util.Arrays;
class Main
{
    public static void main(String[] args)
    {
        Scanner sc = new Scanner(System.in);
        int a=sc.nextInt();
        //sc.nextLine();
        String[] words = new String[a];
        for(int i=0;i<a;i++)
        {
            words[i]=sc.next();
        }
        Arrays.sort(words);
        for(int i=0;i<a;i++)
        {
            System.out.print(words[i]+" ");
        }
    }
}
```

**Status : Correct**

**Marks : 10/10**