

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

```
import java.util.*;
class KeywordSorter {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);

        // Read number of keywords
        int n = Integer.parseInt(scanner.nextLine());

        // Read keywords and split into array
        String[] keywords = scanner.nextLine().split(" ");

        // Sort keywords alphabetically
        Arrays.sort(keywords);

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

Status : Correct

Marks : 10/10