**DAILY ONLINE ACTIVITIES SUMMARY**

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| **Date:** | **26-06-2020** | | | | | **Name:** | **Anusha** | |
| **Sem & Sec** | **VIII Semester & A Section** | | | | | **USN:** | **4AL16CS014** | |
| **Online Test Summary** | | | | | | | | |
| **Subject** | | **-** | | | | | | |
| **Max. Marks** | | **-** | | **Score** | | | **-** | |
| **Certification Course Summary** | | | | | | | | |
| **Course** | **Introduction to Amazon Elastic Compute Cloud (EC2)** | | | | | | | |
| **Certificate Provider** | | | **Amazon Web Service** | | **Duration** | | | **10 minutes** |
| **Coding Challenges** | | | | | | | | |
| **Problem Statement: Sorting elements** | | | | | | | | |
| **Status: COMPLETED** | | | | | | | | |
| **Uploaded the report in Github** | | | | | **YES** | | | |
| **If yes Repository name** | | | | | **anushasuvarna-014** | | | |
| **Uploaded the report in slack** | | | | | **YES** | | | |

Online Test Details:

NIL

Certification Course 

Coding Challenges Details:

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**Program:**

**#include<stdio.h>**

**#include<stdlib.h>**

**int min(int a, int b)**

**{**

**if(a>b)**

**return b;**

**else**

**return a;**

**}**

**// Function to find absolute sum**

**int abs\_sum(int arr[], int n)**

**{**

**int sum = 0;**

**sum += abs(arr[0] - arr[1]);**

**sum += abs(arr[n-1] - arr[n-2]);**

**for (int i=1; i<n-1; i++)**

**sum += min(abs(arr[i] - arr[i-1]), abs(arr[i] - arr[i+1])); // Total sum of absolute difference**

**return sum;**

**}**

**// Function to sort the elements**

**void sort(int a[], int n)**

**{**

**for(int i = 0; i < n-1; i++)**

**{**

**for(int j = 0; j < n-i-1; j++)**

**{**

**if (a[j] > a[j+1])**

**{**

**int temp = a[j];**

**a[j] = a[j+1];**

**a[j+1] = temp;**

**}}}}**

**int main()**

**{**

**int a[20], n, i;**

**printf("Enter the number of elements: ");**

**scanf("%d", &n);**

**printf("Enter the elements: ");**

**for(i=0; i<n; i++)**

**{**

**scanf("%d", &a[i]);**

**}**

**sort(a, n);**

**printf("The minimum sum of absolute is %d",abs\_sum(a, n));**

**return 0;**

**}**