DAILY ONLINE ACTIVITIES SUMMARY

Date:	**26-06-2020**	**Name:**	**Ainab**
Sem & Sec	**VIII Semester & A Section**	**USN:**	**4AL16CS004**

Online Test Summary

Subject	**-**		
Max. Marks	**-**	**Score**	**-**

Certification Course Summary

Course	**Introduction to Serverless Development**		
Certificate Provider	**Amazon Web Service**	**Duration**	**25 minutes**

Coding Challenges

Problem Statement: Sorting elements	
Status: COMPLETED	
Uploaded the report in Github	**YES**
If yes Repository name	**Ainab004**
Uploaded the report in slack	**YES**

Online Test Details:

NIL

Certification Course

Coding Challenges Details:

Program1:

```
#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]));

    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;
}
```