DAILY ONLINE ACTIVITIES SUMMARY

Date:	**27-06-2020**	**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: Write a program to find largest palindrom in an array	
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;
}
#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;
```

```
}

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    for(int i = 0; i < n-1; i++)
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    int a[20], n, i;
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    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;
}
```

```
#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;
}

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            if (a[j] > a[j+1])
            {
                int temp = a[j];
                a[j] = a[j+1];
```

```
                    a[j+1] = temp;
                }}}}


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{
    int a[20], n, i;
    printf("Enter the number of elements: ");
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    printf("Enter the elements: ");
    for(i=0; i<n; i++)
    {
        scanf("%d", &a[i]);
    }
    sort(a, n);
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    return 0;
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    for (int i=1; i<n-1; i++)
        sum += min(abs(arr[i] - arr[i-1]), abs(arr[i] - arr[i+1]));

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}

// Function to sort the elements

void sort(int a[], int n)
{
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    printf("Enter the number of elements: ");
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    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;
}
```