

DAILY ONLINE ACTIVITIES SUMMARY

Date:	26/06/2020	Name:	Gautham Prabhu
Sem & Sec	8th Sem	USN:	4AL16CS035
Online Test Summary			
Subject	- -		
Max. Marks	- -	Score	- -
Certification Course Summary			
Course	The Complete Git & Github Course - Nothing To Everything		
Certificate Provider	udemy.com/	Duration	3 hrs
Coding Challenges			
Problem Statement: 1) Write a C program to find absolute of elements			
Status: Completed			
Uploaded the report in Github		Yes	
If yes Repository name		Daily_report	
Uploaded the report in slack		yes	

Online Test Details:

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Certification Course Details:



Coding Challenges Details:

```
#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;

}
```

