

DAILY ONLINE ACTIVITIES SUMMARY

Date:	26/06/2020	Name:	Divya C H
Sem & Sec	8 th Sem	USN:	4AL16CS033
Online Test Summary			
Subject	- -		
Max. Marks	- -	Score	- -
Certification Course Summary			
Course	C programming for beginners - Master the C fundamentals		
Certificate Provider	udemy.com/	Duration	10 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:

The screenshot shows the Udemy course page for 'C Programming for Beginners - Master the C Fundamentals'. The main content area displays a video player with a code editor overlay showing C code for finding the maximum index in an array. The code is as follows:

```
#include <stdio.h>
#include <stdlib.h>

void main()
{
    int arr[7];
    int i, maxIndex;
    for (i=0; i < 7; i++)
        printf("Enter number %d: ", i+1);
        scanf("%d", &arr[i]);
    maxIndex = 0;
    for (i = 1; i < 7; i++)
    {
        if (arr[i] > arr[maxIndex])
            maxIndex = i;
    }
    printf("Index of Max Digit is: %d\n", maxIndex);
}
```

The right sidebar shows the course content list, including challenges and sections. The bottom of the page shows the Windows taskbar with various open applications and the system clock.

Coding Challenges Details:

```
#include<stdio.h>
```

```
#include<stdlib.h>
```

```
int min(inta,intb)
```

```
{  
    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;

}
```