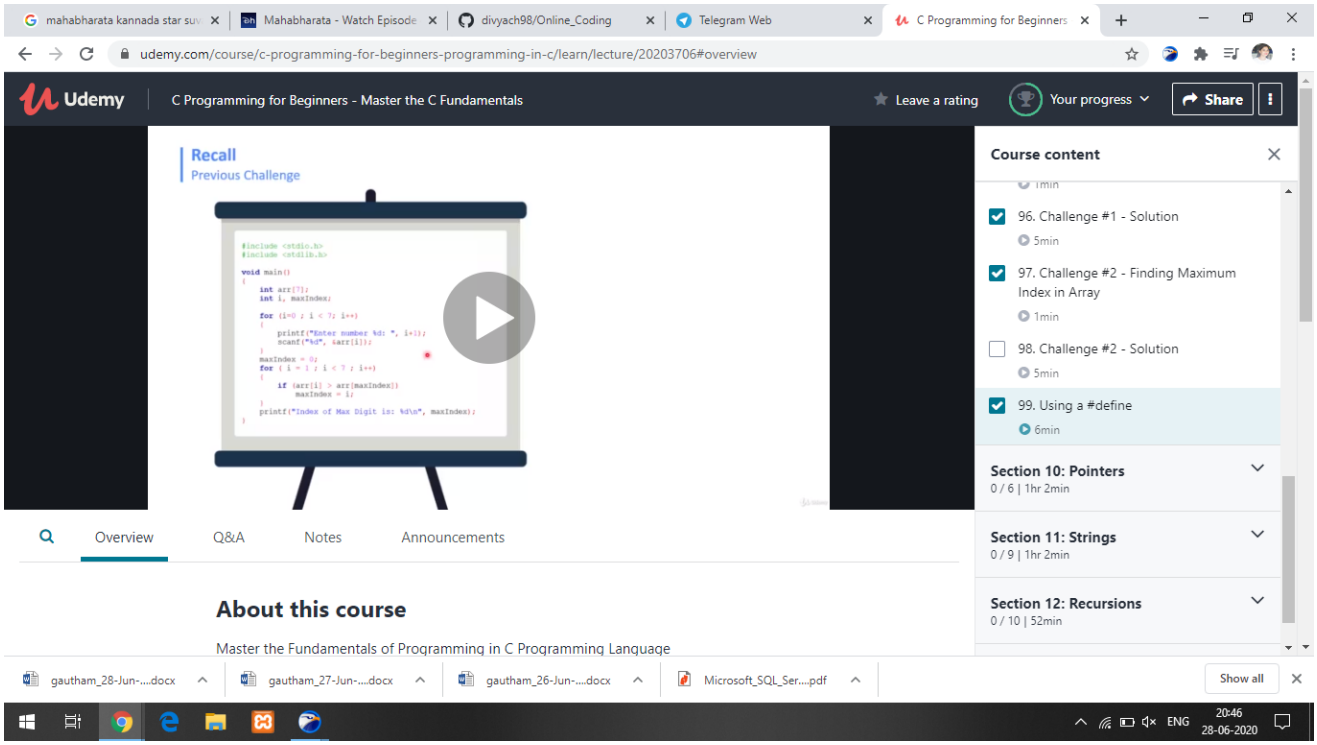
DAILY ONLINE ACTIVITIES SUMMARY

Date:	**26/06/2020**	**Name:**	**Divya C H**
Sem & Sec	**8th 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:

- -

Certification Course Details:



Coding Challenges Details:

#include<stdio.h>

#include<stdlib.h>

intmin(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()
{
   inta[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;
}
```