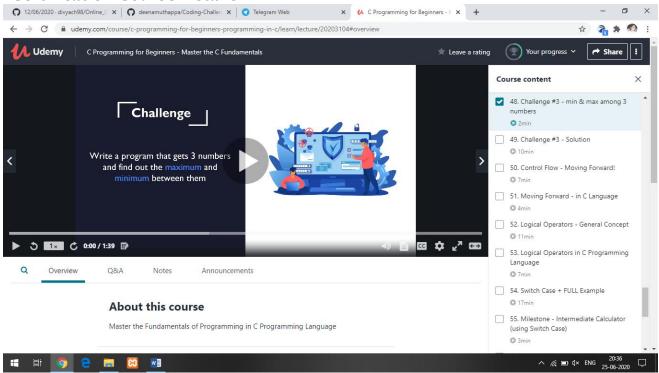
DAILY ONLINE ACTIVITIES SUMMARY

Date:	24/06/2020		Name:	Divya C H				
Sem &	8 th Sem		USN:	4AL16CS033				
Sec								
Online Test Summary								
Subject	ıbject							
Max. Marks			Score					
Certification Course Summary								
Course	C programming for beginners - Master the C Fundamentals							
Certificate		udemy.com/	Duration		11 hrs			
Provider								
Coding Challenges								
Problem Statement: 1) Write a C Program to merge two Sorted arrays								
Status: Completed								
Uploaded the report in Github			Yes					
If yes Repository name			Daily_report					
Uploaded	the repo	rt in slack	yes					

Online Test Details:

- -

Certification Course Details:



Coding Challenges Details:

```
Program 1:
#include <stdio.h>
#include <stdlib.h>
int merge_two_sorted_arrays(int arr1[], int arr2[], int arr3[], int m, int n)
{
    int i,j,k;
```

```
i = j = k = 0;
for(i=0; i < m \&\& j < n;)
{
  if(arr1[i] < arr2[j])
  {
    arr3[k] = arr1[i];
    k++;
    i++;
  }
  else
  {
    arr3[k] = arr2[j];
    k++;
    j++;
  }
}
while(i < m)
{
  arr3[k] = arr1[i];
  k++;
  i++;
```

```
}
  while(j < n)
 {
    arr3[k] = arr2[j];
    k++;
   j++;
 }
}
int main()
{
 int n,m;
  printf("\nEnterthe size of Array 1:");
  scanf("%d",&m);
  printf("\nEnterthe size of Array 2:");
  scanf("%d",&n);
 int arr1[m],arr2[n];
 int arr3[m+n];
  int i;
  printf("\nInput the Array 1 elements : ");
 for(i = 0; i < m; i++)
 {
```

```
scanf("%d",&arr1[i]);
 }
 printf("\nInput the Array 2 elements : ");
 for(i = 0;i<n;i++)
 {
    scanf("%d",&arr2[i]);
 }
 merge_two_sorted_arrays(arr1,arr2,arr3,m,n);
 printf("\nThe Merged Sorted Array : ");
 for(i = 0; i < n + m; i++)
 {
    printf("%d ",arr3[i]);
 }
 printf("\n");
 return 0;
}
```