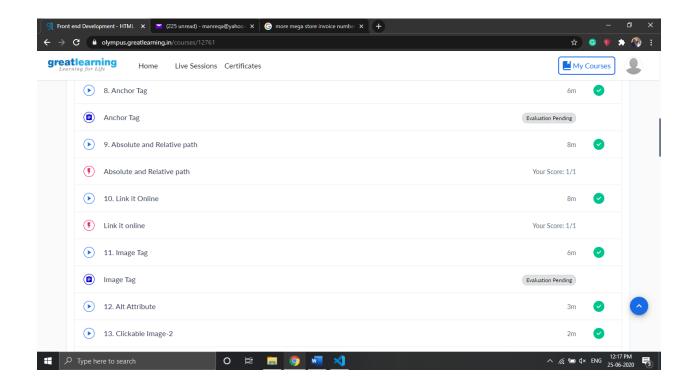
## **DAILY ONLINE ACTIVITIES SUMMARY**

Date:	25-06-2020		Name:	Nayan. P. Joshi		
Sem & Sec	8 <sup>th</sup> Sem A		USN:	4AL16CS058		
Online Test Summary						
Subject	SMS					
Max. Marks	30		Score No Ma		nil Received	
Certification Course Summary						
Course	Course Front end Development - HTML					
Certificate Provider		Great learning academy	Duration		6hrs	
Coding Challenges						
Problem Statement: C Program merge the elements of 2 sorted array.						
Status: Solved						
Uploaded the report in GitHub			yes			
If yes Repository name			nayan1998			
Uploaded th	e report i	n slack	yes			



C Program merge the elements of 2 sorted array.

```
#include <stdio.h>
void main()
  int array1[50], array2[50], array3[100], m, n, i, j, k = 0;
  printf("\n Enter size of array Array 1: ");
  scanf("%d", &m);
  printf("\n Enter sorted elements of array 1: \n");
  for (i = 0; i < m; i++)
     scanf("%d", &array1[i]);
  printf("\n Enter size of array 2: ");
  scanf("%d", &n);
  printf("\n Enter sorted elements of array 2: \n");
  for (i = 0; i < n; i++)
     scanf("%d", &array2[i]);
  i = 0;
  j = 0;
  while (i < m \&\& j < n)
     if (array1[i] < array2[j])</pre>
```

```
array3[k] = array1[i];
     i++;
  else
     array3[k] = array2[j];
     j++;
  k++;
if (i \ge m)
  while (j < n)
     array3[k] = array2[j];
     j++;
     k++;
if (j \ge n)
  while (i < m)
     array3[k] = array1[i];
     i++;
     k++;
```

```
printf("\n After merging: \n");
for (i = 0; i < m + n; i++)
{
    printf("\n%d", array3[i]);
}</pre>
```