DAILY ONLINE ACTIVITIES SUMMARY

Date:	24-06-2020	Name:	Ainab
Sem & Sec	VIII Semester & A Section	USN:	4AL16CS004

Online Test Summary

Subject	-		
Max. Marks	-	Score	-

Certification Course Summary

Course	Introduction to Serverless Development		
Certificate Provider	Amazon Web Service	Duration	25 minutes

Coding Challenges

Problem Statement: Write a program to merge two sorted arrays.

Status: COMPLETED

Uploaded the report in Github	YES
If yes Repository name	Ainab004
Uploaded the report in slack	YES

Coding Challenges Details:

Program1:

```c
#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;)
```

```c
{
    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++;
```

```c
        }
}
int main()
{
    int n,m;
    printf("\nEnter the size of Array 1 : ");
    scanf("%d",&m);
    printf("\nEnter the 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++)
```

```c
    {
        printf("%d ",arr3[i]);
    }
    printf("\n");
    return 0;
}
```