

## **DAILY ONLINE ACTIVITIES SUMMARY**

Date:	24/06/2020	Name:	Divyashree Naik
Sem & Sec	8 <sup>th</sup> sem A	USN:	4AL16CS034
<b>Online Test Summary</b>			
Subject	---		
Max. Marks	---	Score	---
<b>Certification Course Summary</b>			
Course	Java Programming		
Certificate Provider	Great Learning	Duration	3.5 hrs
<b>Coding Challenges</b>			
Problem Statement: C program to Merge two sorted arrays			
Status: Complete			
Uploaded the report in Github		Yes	
If yes Repository name		Alvas-Report	
Uploaded the report in slack		Yes	

## Online certification:

The screenshot shows the Great Learning website interface. The top navigation bar includes 'Home', 'Live Sessions', and 'Certificates'. A 'My Courses' button is visible in the top right. The main content area is titled 'CONTENT' and 'ASSESSMENTS'. Under 'CONTENT', there is a section for 'Learning Videos' with a list of videos and their durations:

Video Title	Duration	Status
Agenda	51s	✓
What is Java	1m	✓
Install Java & Java IDE	5m	✓
First Java Program	3m	✓
Variables and Data Types	6m	✓
Operators in Java	7m	✓

## Coding Challenge:

The screenshot shows a C++ code editor with a file named 'June24Prg.c'. The code implements a merge sort algorithm. The output window shows the execution results:

```
Enter the size of Array 1 : 5
Enter the size of Array 2 : 5
Input the Array 1 elements : 1 3 5 7 9
Input the Array 2 elements : 2 4 6 8 10
The Merged Sorted Array : 1 2 3 4 5 6 7 8 9 10
Process returned 0 (0x0)   execution time : 13.107 s
Press any key to continue.
```

The code in the editor is as follows:

```
1 #include <stdio.h>
2 #include <stdlib.h>
3 int merge_two_sorted_arrays(int arr1[], int arr2[], int m, int n) {
4     int i, j, k;
5     i = j = k = 0;
6     for(i=0; i < m && j < n; i++)
7         if(arr1[i] < arr2[j])
8             arr3[k++] = arr1[i];
9     else
10        arr3[k++] = arr2[j];
11 }
12
13 int main() {
14     int arr1[5], arr2[5], arr3[10];
15     int m, n;
16     printf("Enter the size of Array 1 : ");
17     scanf("%d", &m);
18     printf("Enter the size of Array 2 : ");
19     scanf("%d", &n);
20     printf("Input the Array 1 elements : ");
21     for(i=0; i < m; i++) scanf("%d", &arr1[i]);
22     printf("Input the Array 2 elements : ");
23     for(j=0; j < n; j++) scanf("%d", &arr2[j]);
24     merge_two_sorted_arrays(arr1, arr2, m, n);
25     printf("The Merged Sorted Array : ");
26     for(k=0; k < m+n; k++) printf("%d ", arr3[k]);
27     printf("\n");
28     return 0;
29 }
```