

DAILY ONLINE ACTIVITIES SUMMARY

Date:	2/6/2020	Name:	Rohan k r
Sem & Sec	8 th Sem	USN:	4AL16CS128
Online Test Summary			
Subject	-----		
Max. Marks	----	Score	-----
Certification Course Summary			
Course	RPA		
Certificate Provider	RPA	Duration	3 hrs
Coding Challenges			
Problem Statement: 1. Given an array of positive integers. Write a C Program to find inversion count of array.			
Status:COMPLETED			
Uploaded the report in Github		yes	
If yes Repository name		Rohan KR	
Uploaded the report in slack		yes	

Online Test Details: (Attach the snapshot and briefly write the report for the same)

Certification Course Details: (Attach the snapshot and briefly write the report for the same)



Coding Challenges Details: (Attach the snapshot and briefly write the report for the same)

Given an array of positive integers. Write a C Program to find inversion count of array.

```
#include <stdio.h>
```

```
int getInvCount(int arr[], int n)
{
    int inv_count = 0;
    for (int i = 0; i < n - 1; i++)
        for (int j = i + 1; j < n; j++)
            if (arr[i] > arr[j])
                inv_count++;

    return inv_count;
}
```

```
int main()
{
    int arr[100],i=0,n=0;
    printf("enter the number of elements");
    scanf("%d",&n);
    printf("enter the array");
    for(i=0;i<n;i++)
    {
        scanf("%d",&arr[i]);
    }
    int count = getInvCount(arr, n);
    printf(" Number of inversions are %d",count);
    return 0;
}
```