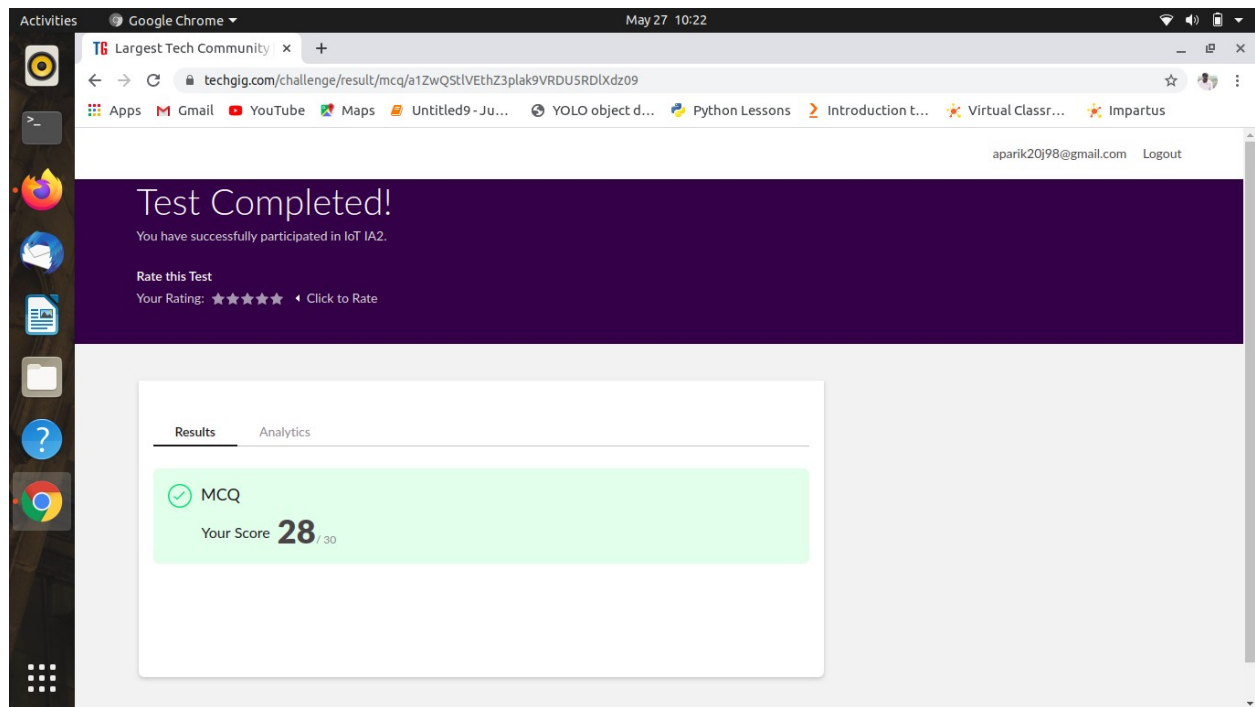


## **DAILY ONLINE ACTIVITIES SUMMARY**

Date:	27/05/2020	Name:	Parikshith
Sem & Sec	8th sem, B sec	USN:	4AL16CS126
<b>Online Test Summary</b>			
Subject	iot		
Max. Marks	30	Score	28
<b>Certification Course Summary</b>			
Course	Tcs Java course		
Certificate Provider	Tcs icon	Duration	-
<b>Coding Challenges</b>			
Problem Statement: 1) c program to sort numbers			
Status: Completed			
Uploaded the report in Github		Yes	
If yes Repository name		alvas-education-foundation/parikshithadiga	
Uploaded the report in slack		Yes	

## Online Test Details:



The test was on the subject `iot` .

## Certificate Details:

Its my campus company TCS training for weekly assessment.

## Coding Challenges Details:

1) A `c` program to sort numbers.

```
#include <stdio.h>

void swap(int *xp, int *yp)
{
    int temp = *xp;
    *xp = *yp;
    *yp = temp;
}

int bubbleSort(int arr[], int n)
{
    int i, j, count=0;
    int swapped;
    for (i = 0; i < n-1; i++)
    {
        swapped = 0;
        for (j = 0; j < n-i-1; j++)
        {
            if (arr[j] > arr[j+1])
            {
                swap(&arr[j], &arr[j+1]);
                swapped = 1;
                count++;
            }
        }
    }
    if (swapped == 0)
```

```

        break;
    }
    return count;
}

void printArray(int arr[], int size)
{
    int i;
    for (i=0; i < size; i++)
        printf("%d ", arr[i]);
    printf("\n");
}

int main()
{
    int arr[50],num;
    printf("enter the number of elements");
    scanf("%d",&num);
    printf("enter the elements");
    for(int i=0;i<num;i++){
        scanf("%d",&arr[i]);
    }
    int c=bubbleSort(arr, num);
    printf("Sorted array: \n");
    printArray(arr, num);
    printf("Number of passes:%d\n",c);
    return 0;
}

```

}