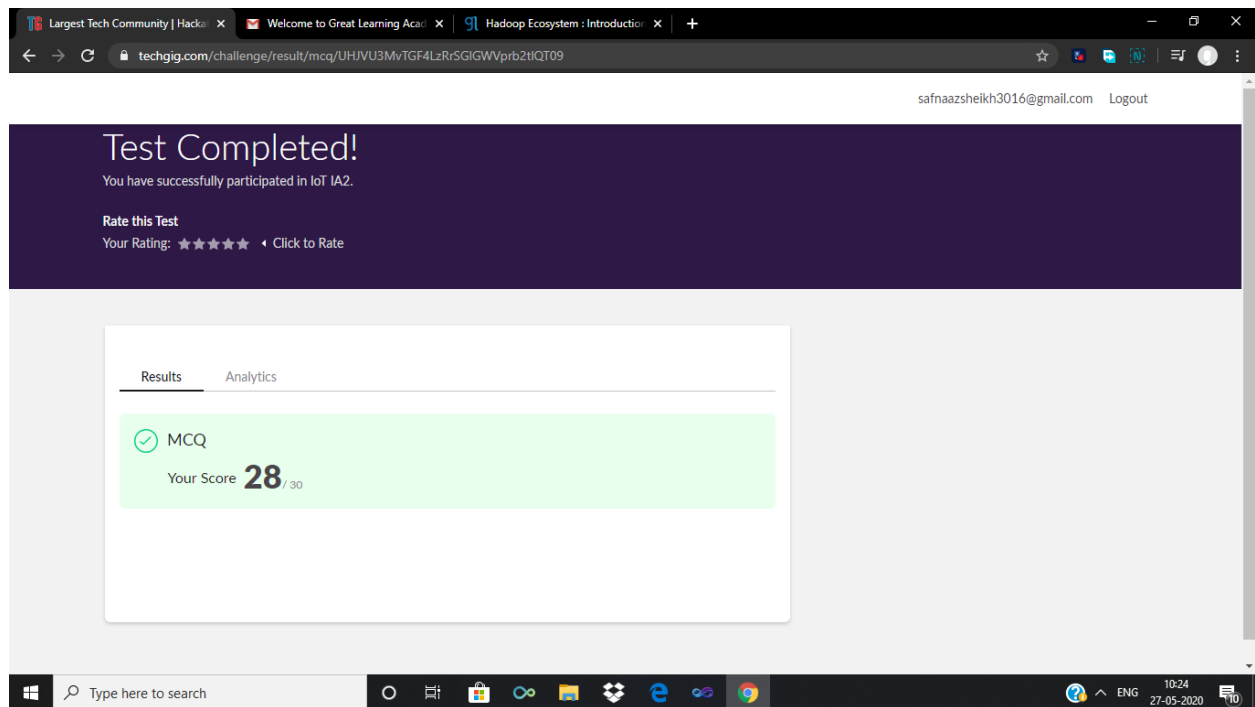


DAILY ONLINE ACTIVITIES SUMMARY

Date:	27/05/2020	Name:	Ameen Ahmed
Sem & Sec	8 th A	USN:	4AL16CS009
Online Test Summary			
Subject	Internet of Things (IOT)		
Max. Marks	30	Score	28
Certification Course Summary			
Course	Introduction To Hadoop		
Certificate Provider	Great Learning Academy	Duration	30 mins
Coding Challenges			
Problem Statement: write a c program to sort an array of integers in ascending order and display the sorted array and number of passes performed for sorting.			
Status: Solved			
Uploaded the report in Github		yes	
If yes Repository name		ameen_ahmed	
Uploaded the report in slack		yes	

Online Test Details:



Certification Course Details:

Hadoop ecosystem

A Hadoop cluster is a special type of computational cluster designed specifically for storing and analyzing huge amounts of unstructured data in a distributed computing environment. Such clusters run Hadoop's open source distributed processing software on low-cost commodity

computers.

The screenshot shows a web browser with multiple tabs open. The active tab is 'olympus.greatlearning.in/courses/12378'. The page displays a list of course modules for 'Introduction to Hadoop'. The modules are as follows:

Module Name	Duration	Status
What is ETL	14m	Completed
Intro to Hadoop	13m	Completed
Distributed Computing	8m	Completed
Hadoop Architecture	6m	Completed
How do we Store a File in HDFS	13m	Completed
Intro To Oozie and HDFS Processing	5m	Completed
Hadoop Cluster Hands on	18m	Completed
Hadoop Ecosystem	28m	Completed
Map Reduce	13m	Not Completed
Map Reduce Example	17m	Not Completed

The browser's address bar shows the URL 'https://olympus.greatlearning.in/courses/12378/pages/how-do-we-store-a-file-in-hdfs?module_item_id=525954'. The Windows taskbar at the bottom shows the date as 27-05-2020 and the time as 10:43.

Coding Challenges Details:

Program1:

write a c program to sort an array of integers in ascending order and display the sorted array and number of passes performed for sorting

```
#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;
}
```