DAILY ONLINE ACTIVITIES SUMMARY

Date:	**27/05/2020**	**Name:**	**Ameen Ahmed**
Sem & Sec	**8th 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**

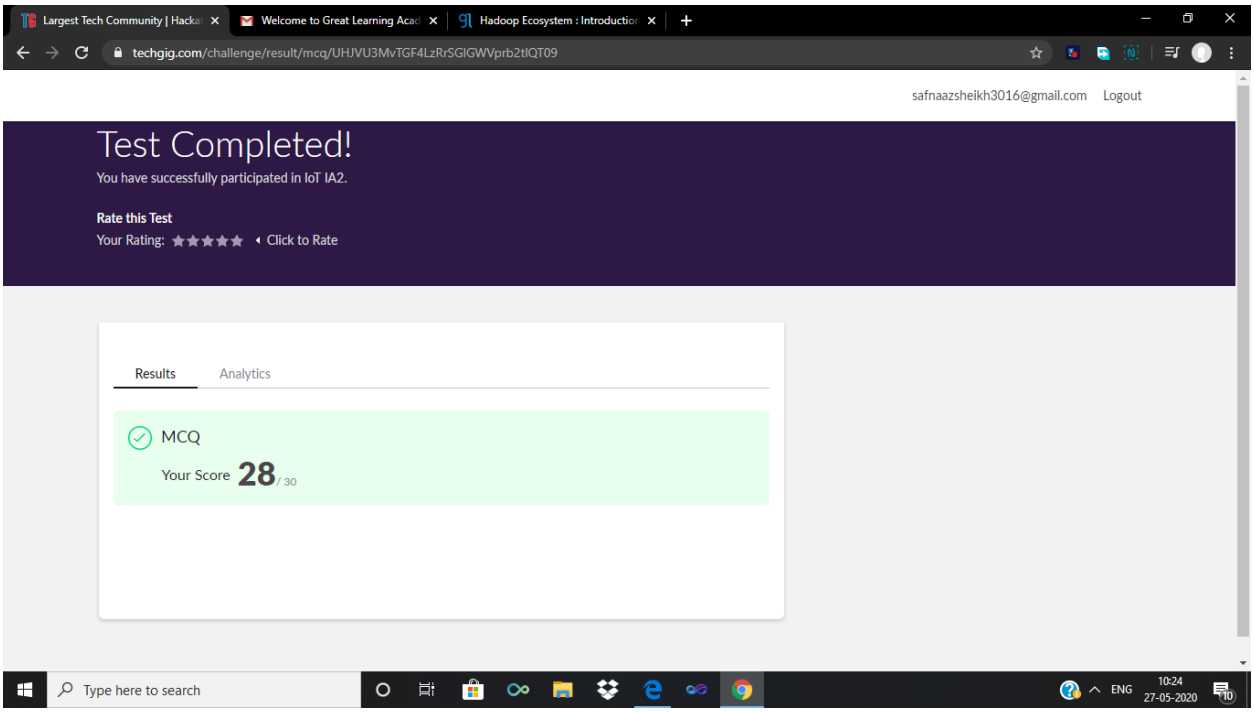
Coding Challenges

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:

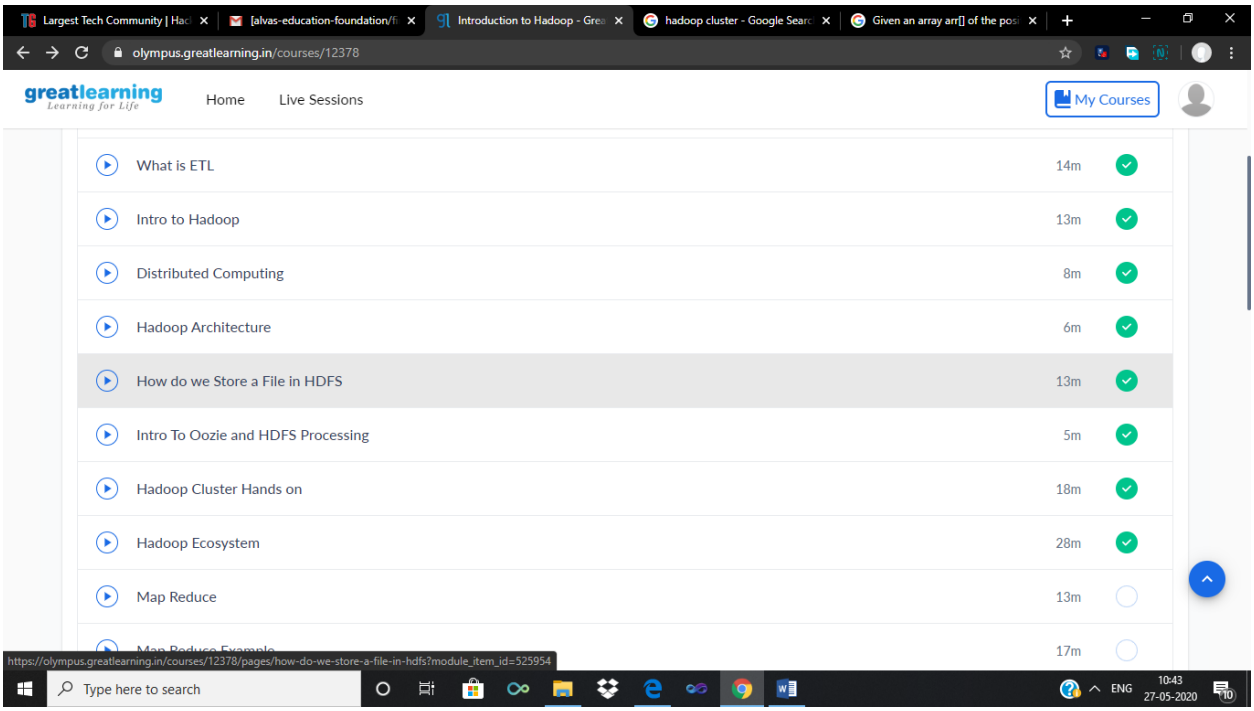


Certification Course Details:

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.



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;
}
```