

DAILY ONLINE ACTIVITIES SUMMARY

Date:	27/05/2019	Name:	Safnaaz
Sem & Sec	8 th B	USN:	4AL16CS081
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		Safnaazsheikh	
Uploaded the report in slack		yes	

Online Test Details:

The screenshot shows a web browser window with the URL `techgig.com/challenge/result/mcq/UHJVU3MvTGF4LzRr5GIGWVprb2tIQT09`. The page has a dark purple header with the text "Test Completed!" and "You have successfully participated in IoT IA2." Below this, there is a "Rate this Test" section with a star rating and a "Click to Rate" button. The main content area is white and contains a "Results" tab with a green checkmark icon and the text "MCQ" and "Your Score 28/30". The browser's address bar shows the URL, and the Windows taskbar at the bottom displays the search bar and various application icons.

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 taskbar at the bottom shows the Windows Start button, a search bar, and several application icons including File Explorer, Edge, and Word. The system clock indicates the date is 27-05-2020 and the time is 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;
}
```