# DAILY ONLINE ACTIVITIES SUMMARY

| | | | |
|---|---|---|---|
| **Date:** | **29-05-2020** | **Name:** | **Shaima Abdul Kader** |
| **Sem & Sec** | **8th , B** | **USN:** | **4AL16CS87** |

## Online Test Summary

| | | | |
|---|---|---|---|
| **Subject** | **Big data analytic 4** | | |
| **Max. Marks** | **30** | **Score** | **18** |

## Certification Course Summary

| | | | |
|---|---|---|---|
| **Course** | **Cloud Computing 101** | | |
| **Certificate Provider** | **ICT Academy** | **Duration** | **9 Hrs** |

## Coding Challenges

**Problem Statement: prob1- 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**

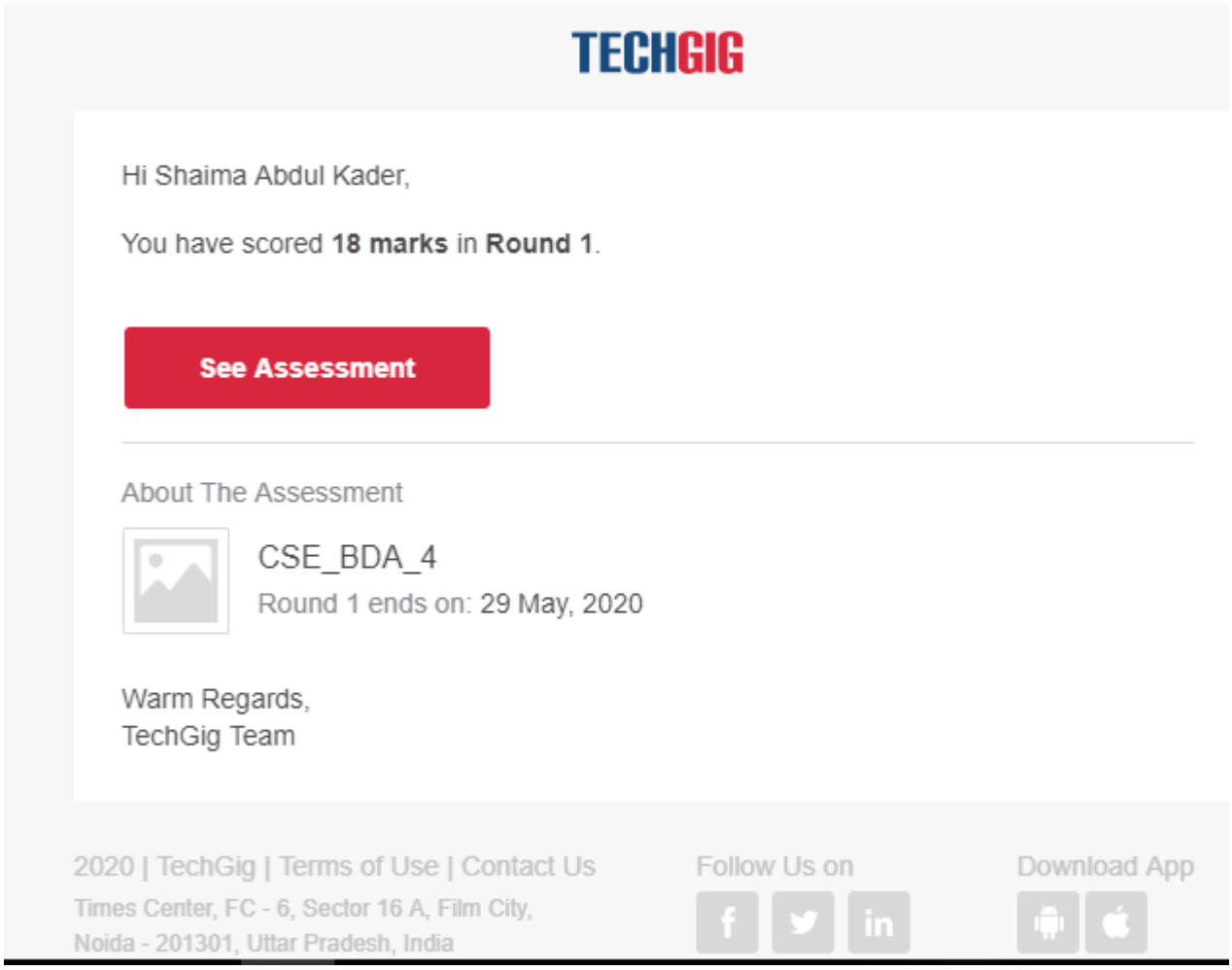
| | |
|---|---|
| **Uploaded the report in Github** | **Yes** |
| **If yes Repository name** | **shaima** |
| **Uploaded the report in slack** | **Yes** |

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)

## 1) Online Test Details:




## 2) Certification Course Details:

# Grades for Shaima Abdul Kader

Course: Cloud Computing 101 | Arrange By: Due Date | Apply

| NAME | DUE | STATUS | SCORE | OUT OF |
|---|---|---|---|---|
| AWS Cloud Computing<br>Assignments | | | 10 | 10 |
| Cloud Computing Basics<br>Assignments | | | 4 | 5 |
| **ASSIGNMENTS** | | | **93.33%** | 14.00 / 15.00 |
| TOTAL | | | **93.33%** | **14.00 / 15.00** |

## 3) Coding Challenges:

***In Bubble sort, each pass consists of comparison each element in the file with its successor (i.e. x[i] with x[i+1]) and interchanging two elements if they are not in the proper order. The array may be sorted in any pass. If the array is sorted, then remaining passes should be skipped off. 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;
}
```