DAILY ONLINE ACTIVITIES SUMMARY

Date:	**27/05/2020**	**Name:**	**Anitha Lakshmi T N**
Sem & Sec	**8th- A**	**USN:**	**4AL16CS012**

Online Test Summary

Subject	**Introduction to Internet of Things**		
Max. Marks	**30**	**Score**	**28**

Certification Course Summary

Course	**Introduction to AWS Fargate**		
Certificate Provider	**AWS**	**Duration**	**15 minutes**

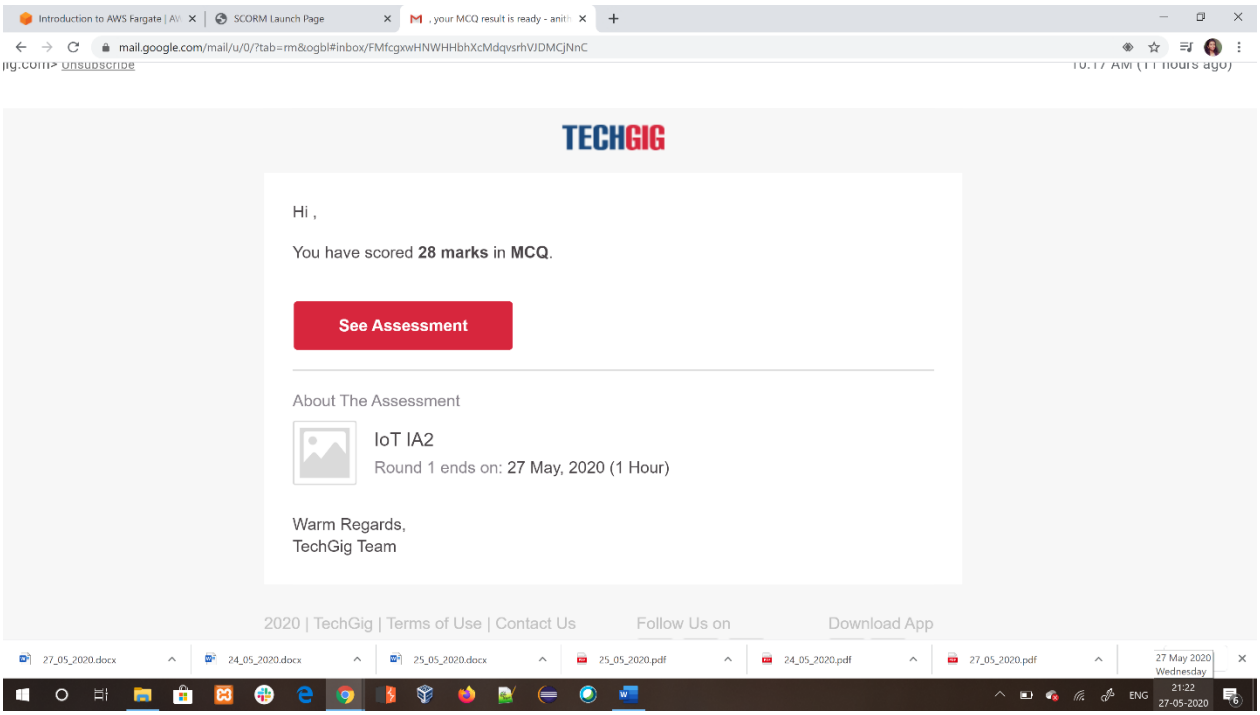
Coding Challenges

Problem Statement:
1) 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: Executed

Uploaded the report in Github	**Yes**
If yes Repository name	**Anitha_lakshmi**
Uploaded the report in slack	**Yes**

Online Test Details:



Certification Course Details:

Coding Challenges Details:

```
#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;
}
```