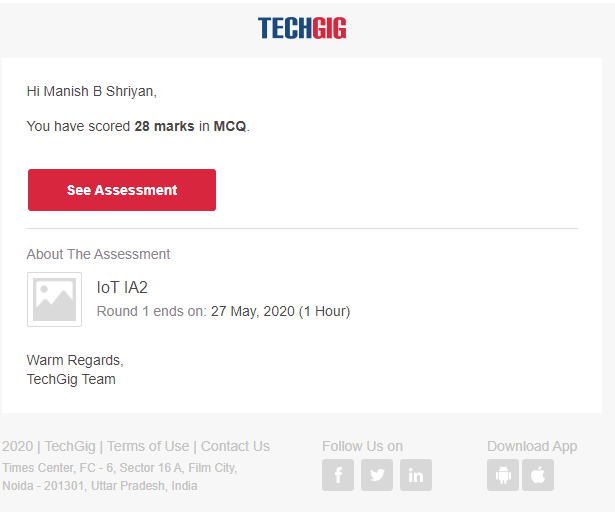
**DAILY ONLINE ACTIVITIES SUMMARY**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Date:** | **27/05/2020** | | | | | **Name:** | **Manish B Shriyan** | |
| **Sem & Sec** | **8th sem B sec** | | | | | **USN:** | **4AL16CS131** | |
| **Online Test Summary** | | | | | | | | |
| **Subject** | | **IOT** | | | | | | |
| **Max. Marks** | | **30** | | **Score** | | | **28** | |
| **Certification Course Summary** | | | | | | | | |
| **Course** | **AWS Cloud Practitioner Essentials(Second Edition): Pricing ans Suppoert and Final course knowledgecheck** | | | | | | | |
| **Certificate Provider** | | | **AWS** | | **Duration** | | | **1 Hour** |
| **Coding Challenges** | | | | | | | | |
| **Problem Statement:**  **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.** | | | | | | | | |
| **Status: Solved** | | | | | | | | |
| **Uploaded the report in Github** | | | | | **Uploaded** | | | |
| **If yes Repository name** | | | | | **ManishShriyan** | | | |
| **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;  
}