DAILY ONLINE ACTIVITIES SUMMARY

Date:	27/5/2020	Name:	Sourabh Kakade
Sem & Sec	8th Sem	USN:	4AL16CS104

Online Test Summary

Subject	Internet Of Things		
Max. Marks	30	Score	28

Certification Course Summary

Course	Learn Advance JavaScript		
Certificate Provider	Udemy	Duration	2hr 50min

Coding Challenges

Problem Statement:

1: In bubble sort, each pass consists of comparison each element in the file with its successor and interchange 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

Status:COMPLETED

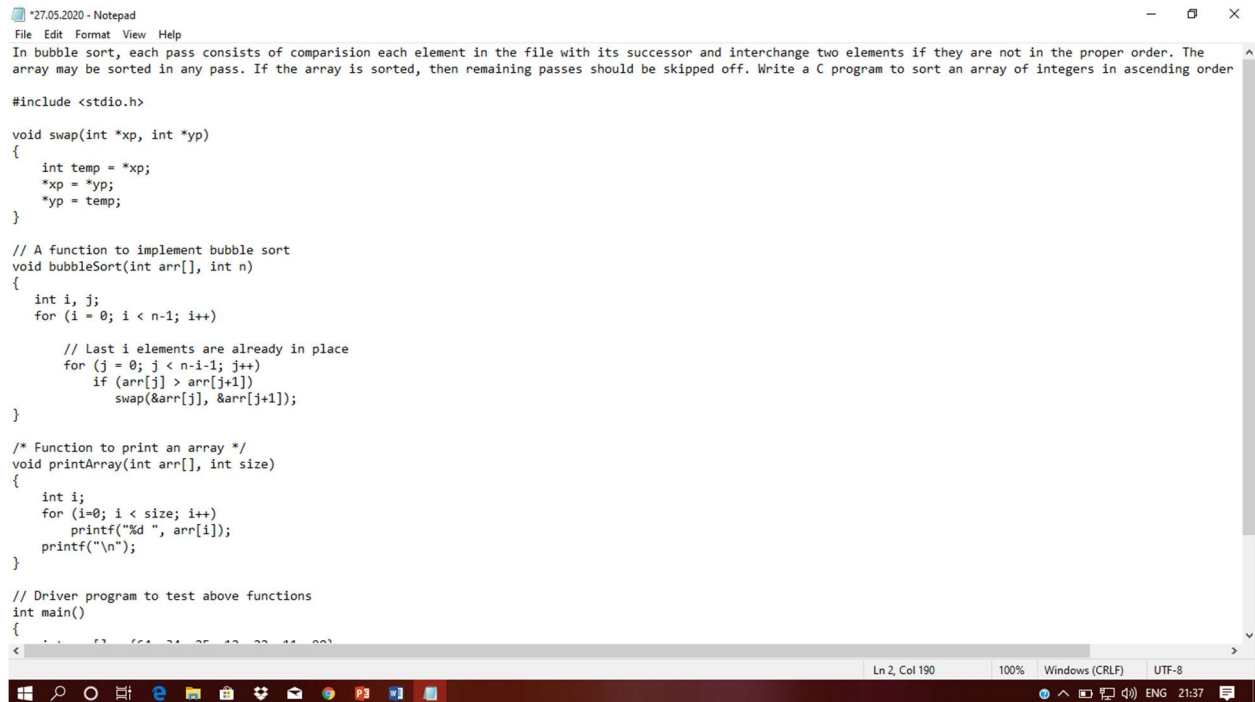| Uploaded the report in Github	yes
If yes Repository name	Sourabh Kakade
Uploaded the report in slack	yes

Online Test Details: (Attach the snapshot and briefly write the report for the same)
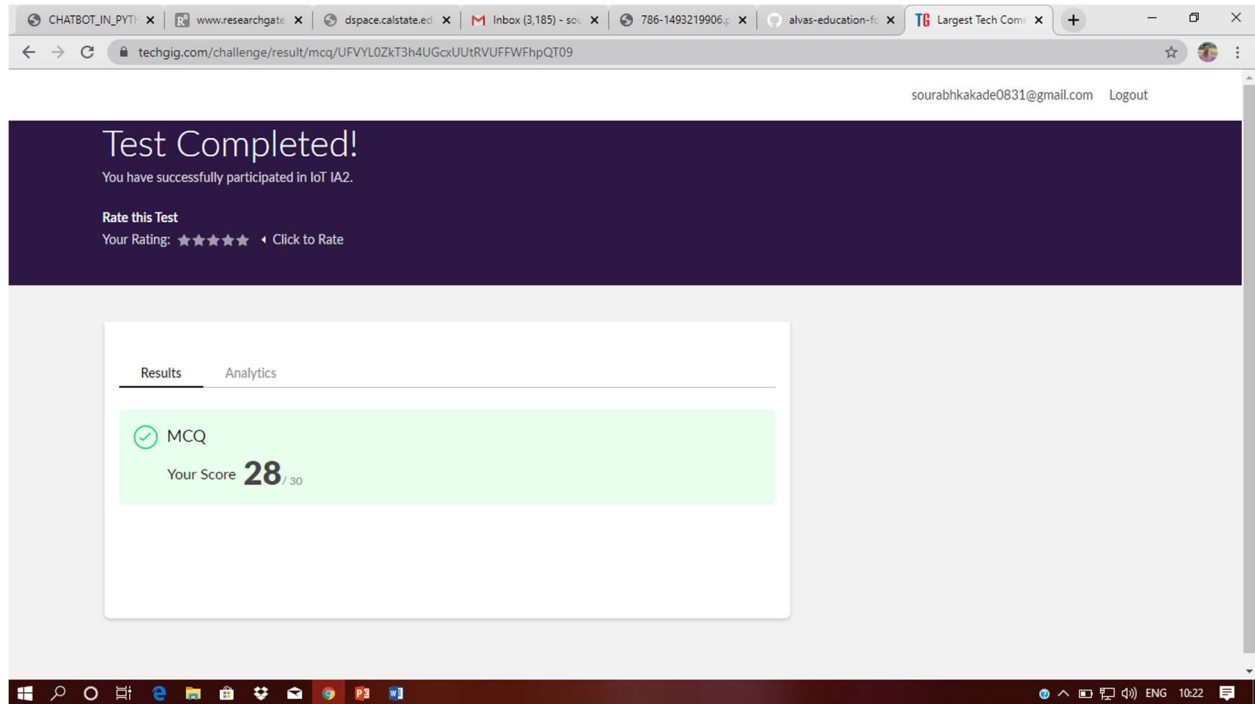
Certification Course Details: (Attach the snapshot and briefly write the report for the same)

Coding Challenges Details: (Attach the snapshot and briefly write the report for the same)

```c
In bubble sort, each pass consists of comparision each element in the file with its successor and interchange 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

#include <stdio.h>

void swap(int *xp, int *yp)
{
    int temp = *xp;
    *xp = *yp;
    *yp = temp;
}

// A function to implement bubble sort
void bubbleSort(int arr[], int n)
{
    int i, j;
    for (i = 0; i < n-1; i++)

        // Last i elements are already in place
        for (j = 0; j < n-i-1; j++)
            if (arr[j] > arr[j+1])
                swap(&arr[j], &arr[j+1]);
}

/* Function to print an array */
void printArray(int arr[], int size)
{
    int i;
    for (i=0; i < size; i++)
        printf("%d ", arr[i]);
    printf("\n");
}

// Driver program to test above functions
int main()
{
```