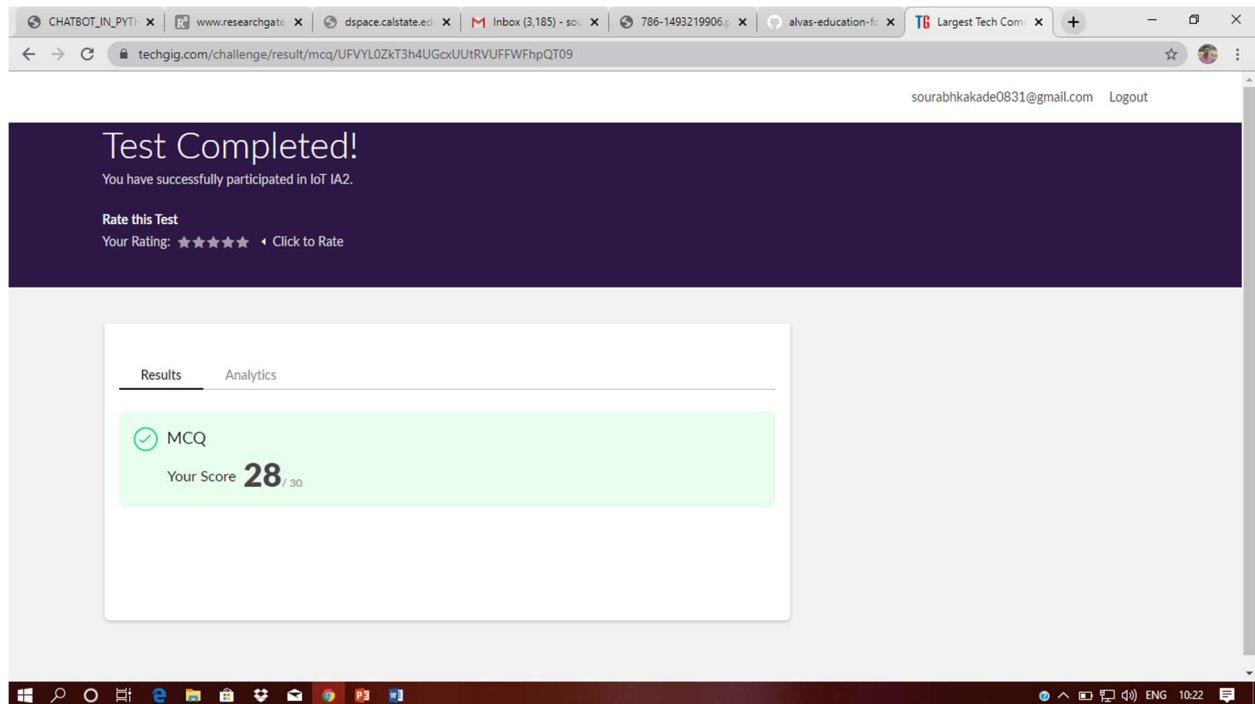


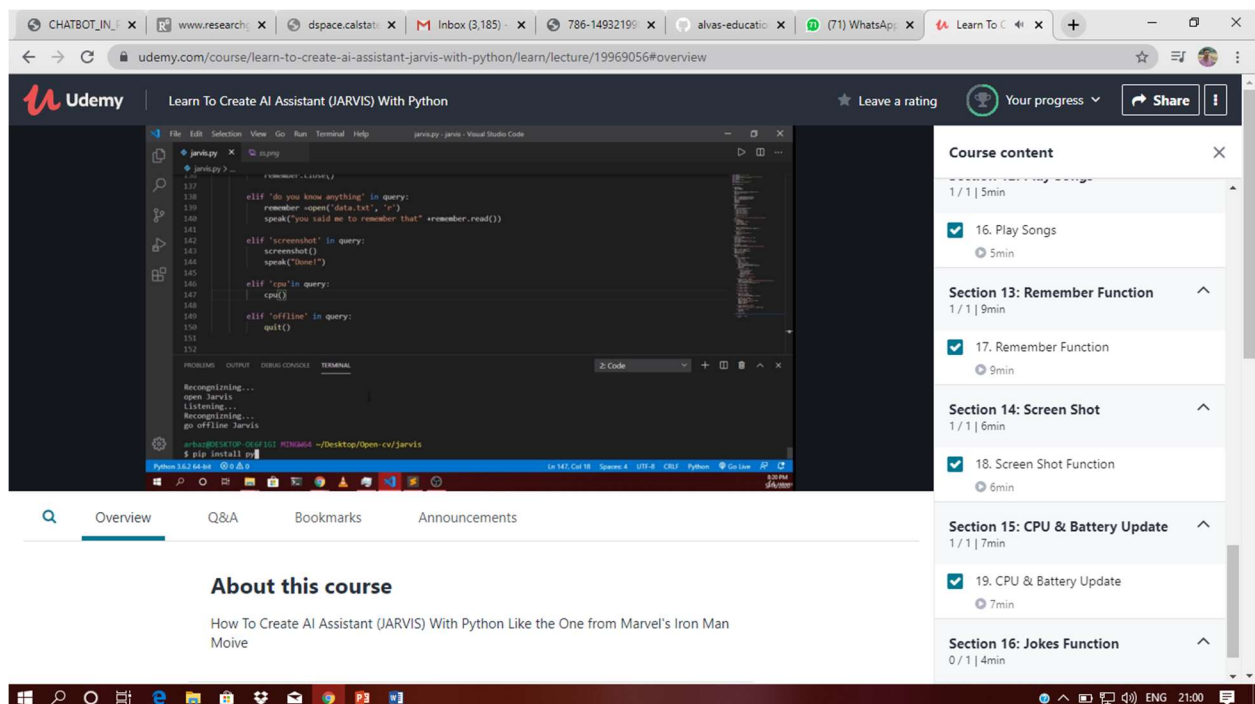
## DAILY ONLINE ACTIVITIES SUMMARY

Date:	27/5/2020	Name:	Sourabh Kakade
Sem & Sec	8 <sup>th</sup> Sem	USN:	4AL16CS104
<b>Online Test Summary</b>			
Subject	Internet Of Things		
Max. Marks	30	Score	28
<b>Certification Course Summary</b>			
Course	Learn to create AI Assistant with Python		
Certificate Provider	Udemy	Duration	1hr 05min
<b>Coding Challenges</b>			
<b>Problem Statement:</b> 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 sort an array of integers in ascending order and display the same.			
<b>Status:COMPLETED</b>			
Uploaded the report in Github		yes	
If yes Repository name		Sourabh Kakade	
Uploaded the report in slack		yes	

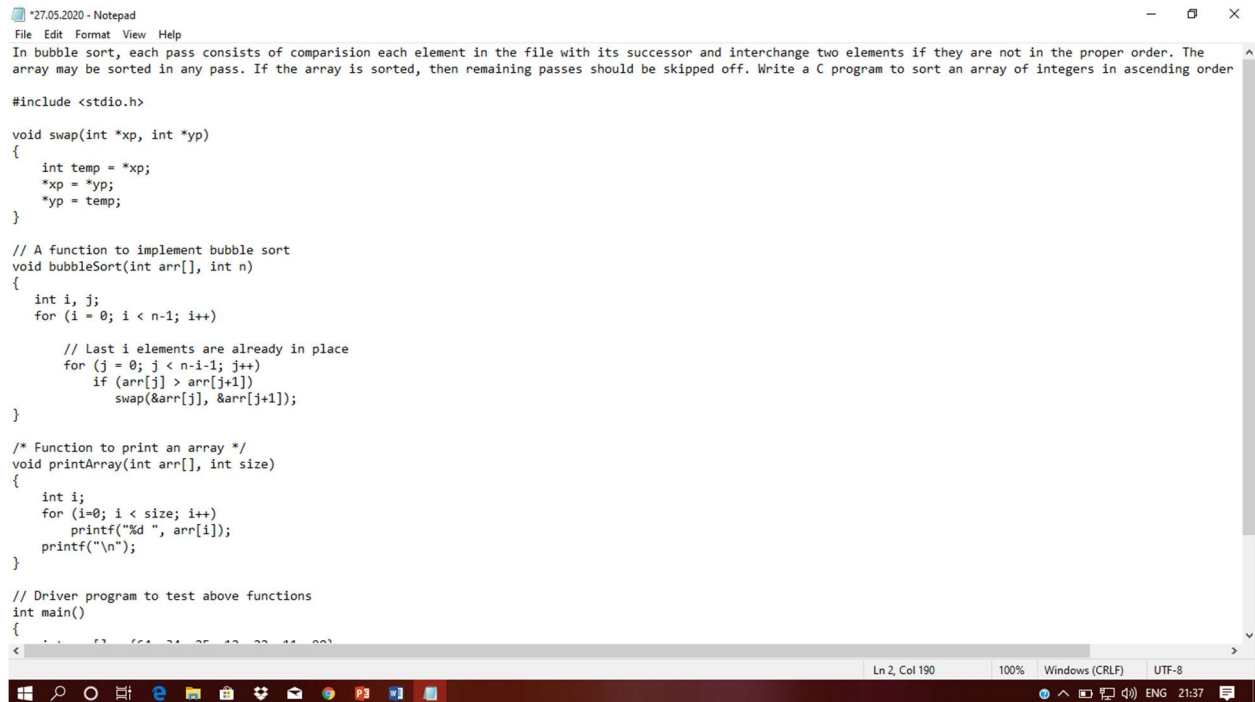
## Online Test Details: (Attach the snapshot and briefly write the report for the same)



## 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)



The screenshot shows a Notepad window titled "\*27.05.2020 - Notepad" with a menu bar (File, Edit, Format, View, Help). The text area contains a C program for bubble sort. The program includes a swap function, a bubbleSort function, a printArray function, and a main function. The status bar at the bottom indicates "Ln 2, Col 190", "100%", "Windows (CRLF)", and "UTF-8". The Windows taskbar is visible at the very bottom.

```
*27.05.2020 - Notepad
File Edit Format View Help

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 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()
{
    int arr[] = {64, 34, 25, 12, 22, 11, 90};
    int n = sizeof(arr)/sizeof(arr[0]);
    bubbleSort(arr, n);
    printf("Sorted array: \n");
    printArray(arr, n);
}
```