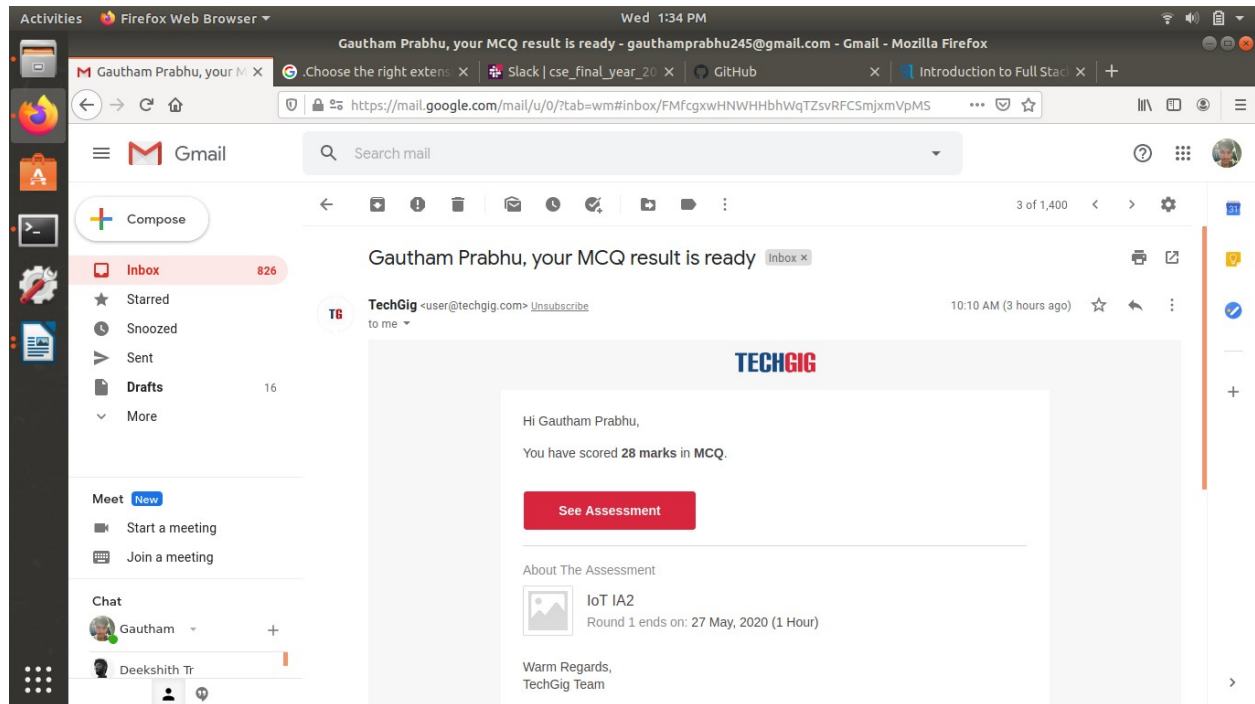


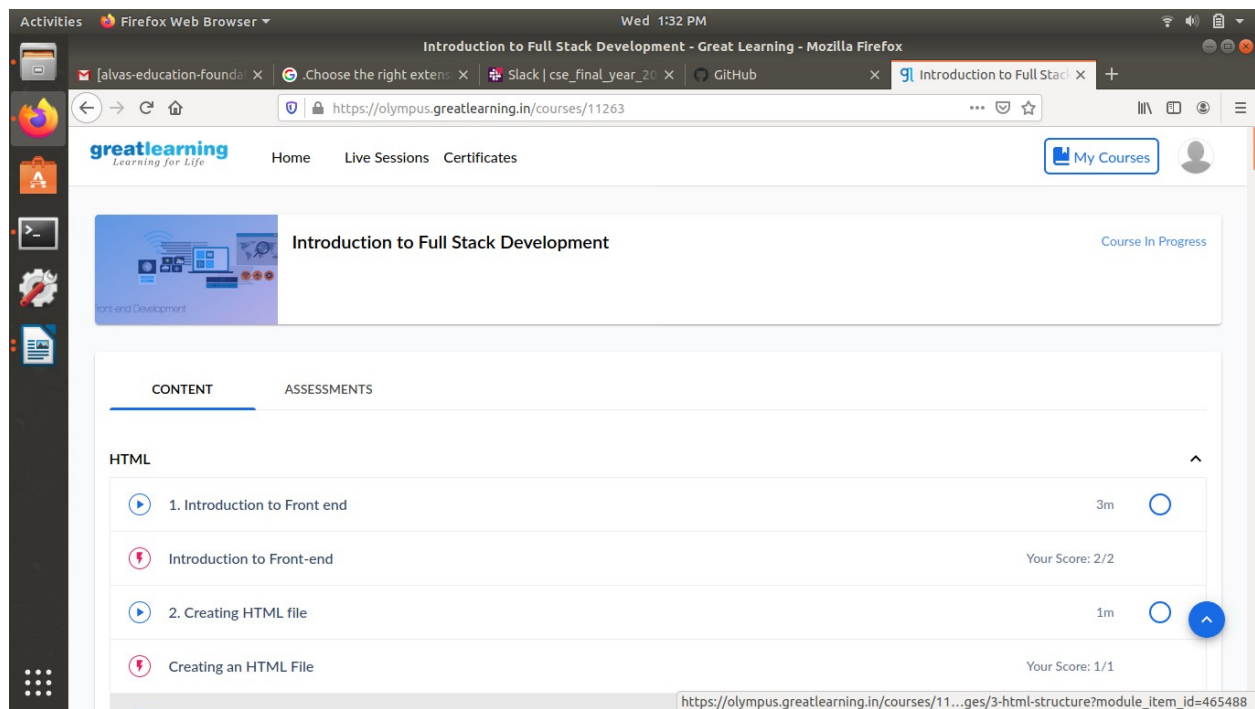
## **DAILY ONLINE ACTIVITIES SUMMARY**

<b>Date:</b>	<b>27/5/2020</b>	<b>Name:</b>	<b>Gautham Prabhu</b>
<b>Sem &amp; Sec</b>	<b>8<sup>th</sup> Sem</b>	<b>USN:</b>	<b>4AL16CS035</b>
<b>Online Test Summary</b>			
<b>Subject</b>	<b>Internet of Things</b>		
<b>Max. Marks</b>	<b>30</b>	<b>Score</b>	<b>28</b>
<b>Certification Course Summary</b>			
<b>Course</b>	<b>Introduction to Full Stack Development</b>		
<b>Certificate Provider</b>	<b>greatlearning.in</b>	<b>Duration</b>	<b>2.3 hrs</b>
<b>Coding Challenges</b>			
<b>Problem Statement: 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.</b>			
<b>Status: Completed</b>			
<b>Uploaded the report in Github</b>		<b>Yes</b>	
<b>If yes Repository name</b>		<b>Daily_report</b>	
<b>Uploaded the report in slack</b>		<b>yes</b>	

## Online Test Details:



## Certification Course Details:



## Coding Challenges Details:

### Program 1:

```
#include <stdio.h>

#define MAXSIZE 10

void main()
{
    int array[MAXSIZE];
    int i, j, num, temp, c1=0, c2=0;
    printf("Enter the value of num \n");
    scanf("%d", &num);
    printf("Enter the elements one by one \n");
    for (i = 0; i < num; i++)
    {
        scanf("%d", &array[i]);
    }
    printf("Input array is \n");
    for (i = 0; i < num; i++)
    {
        printf("%d\t", array[i]);
    }
    for (i = 0; i < num; i++)
    {
        for (j = 0; j < (num - i - 1); j++)
        {
```

```

        if (array[j] > array[j + 1])
        {
            temp = array[j];
            array[j] = array[j + 1];
            array[j + 1] = temp;
            c1++;
        }

        else
            c2++;

    }
}

printf("\nSorted array is...\n");
for (i = 0; i < num; i++)
{
    printf("%d\t", array[i]);
}

printf("\nTotal Number of passes is : %d\n",c1+c2);
printf("No of passes the values were swaped : %d\n",c1);
printf("No of passes the values were already sorted : %d\n",c2);
}

```

Activities Terminal Wed 1:38 PM gautham\_27-May-2020.odt - LibreOffice Writer

gautham@gautham-prabhu: ~/work/c

```
File Edit View Search Terminal Help
gautham@gautham-prabhu:~/work/c$ gedit bubble_sort.c
gautham@gautham-prabhu:~/work/c$ gcc bubble_sort.c -o bubble_sort
gautham@gautham-prabhu:~/work/c$ ./bubble_sort
Enter the value of num
5
Enter the elements one by one
1 2 3 9 5
Input array is
1      2      3      9      5
Sorted array is...
1      2      3      5      9
Total Number of passes is : 10
No of passes the values were swaped : 1
No of passes the values were already sorted : 9
gautham@gautham-prabhu:~/work/c$
```

```
{
    scanf("%d", &array[i]);
}

printf("Input array is\n");
for (i = 0; i < num; i++)
{
```

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