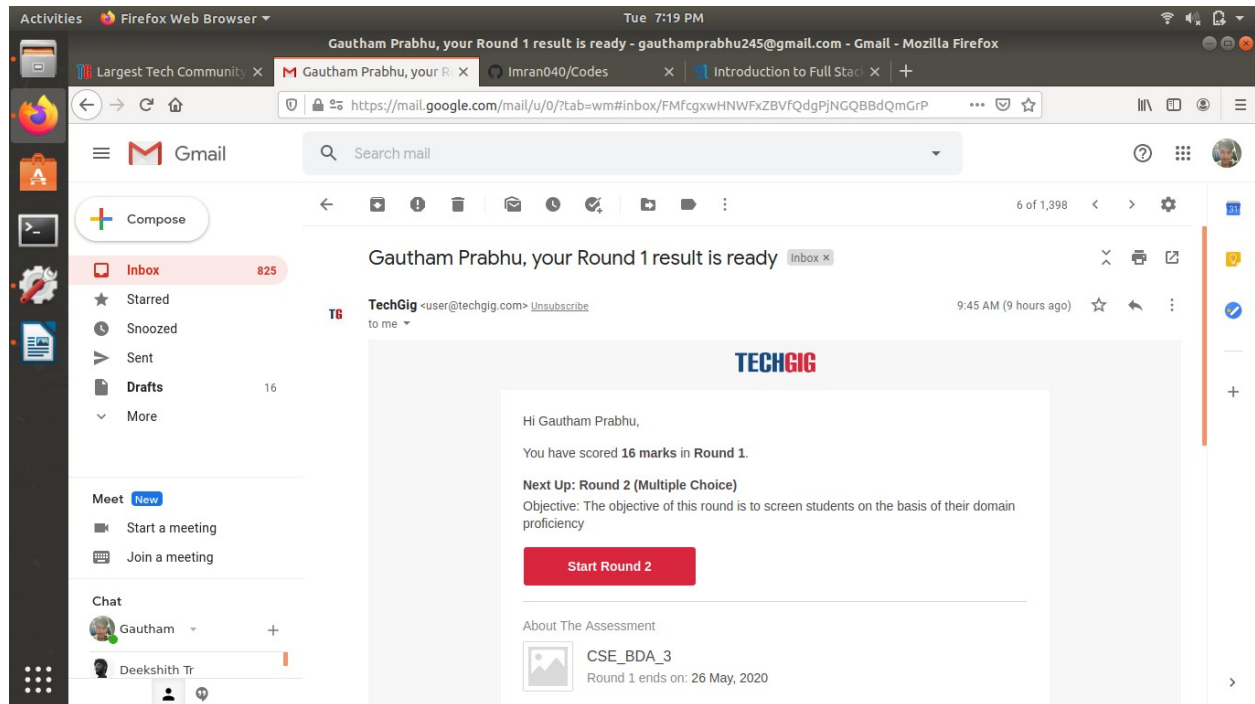


### **DAILY ONLINE ACTIVITIES SUMMARY**

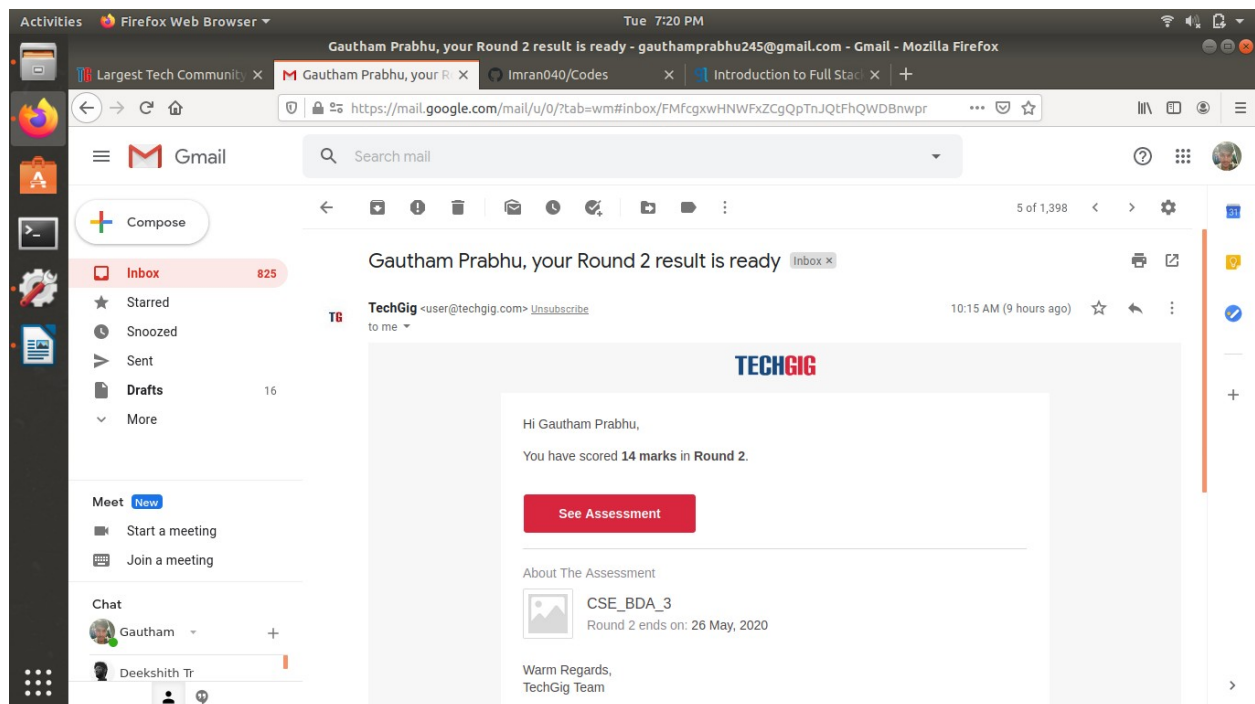
<b>Date:</b>	<b>26/5/2020</b>	<b>Name:</b>	<b>Gautham Prabhu</b>
<b>Sem &amp; Sec</b>	<b>8<sup>th</sup> Sem</b>	<b>USN:</b>	<b>4AL16CS035</b>
<b>Online Test Summary</b>			
<b>Subject</b>	<b>Big Data Analytics</b>		
<b>Max. Marks</b>	<b>Round 1 : 20</b> <b>Round 2 : 20</b>	<b>Score</b>	<b>Round 1 : 16</b> <b>Round 2 : 14</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>2.3hrs</b>
<b>Coding Challenges</b>			
<b>Problem Statement: 1)Write a program in C to print all permutations of a given string using pointers</b> <b>2)Given an array A of size N where the array elements contain values from 1 to N with duplicates, the task is to find total number of subarrays which start and end with the same element.</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:

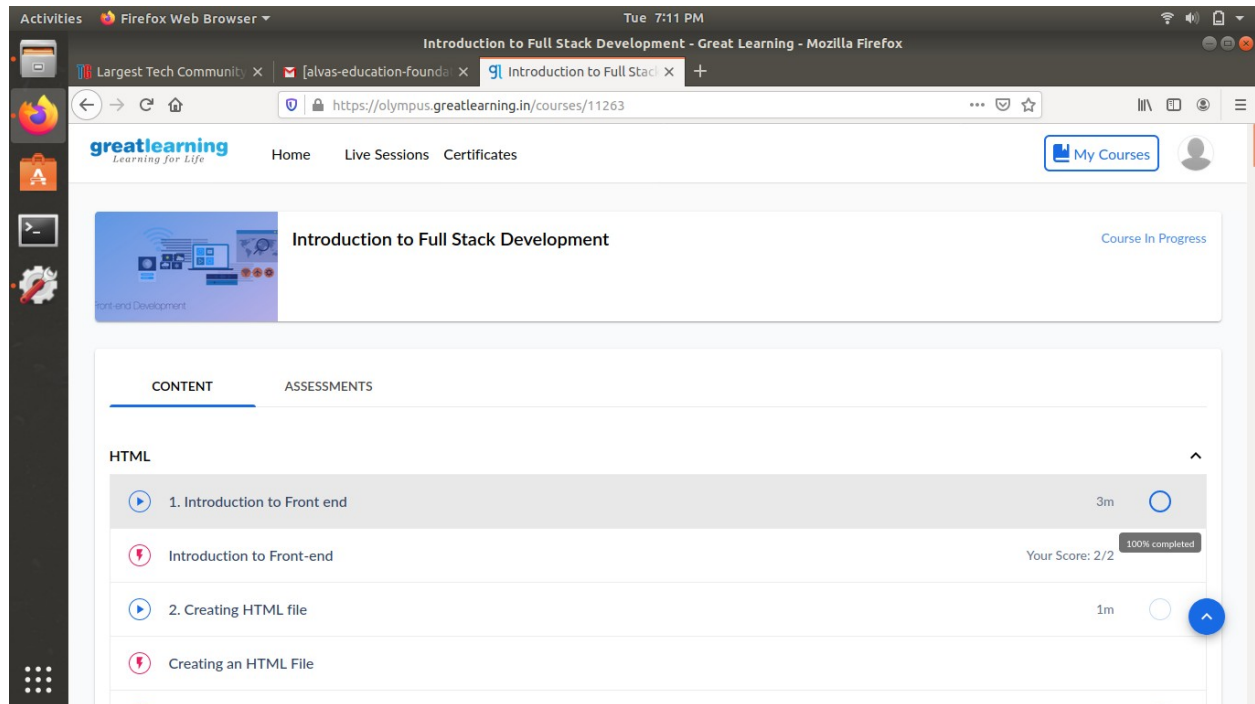
### Round 1:



### Round 2:



## Certification Course Details:



## Coding Challenges Details:

### Program 1:

```
#include <stdio.h>
```

```
#include <string.h>
```

```
void swap (char *x, char *y)
```

```
{
```

```
    char temp;
```

```
    temp = *x;
```

```
    *x = *y;
```

```
    *y = temp;
```

```
}
```

```
void permute(char *a, int i, int n)
```

```
{
```

```
    int j;
```

```
    if (i == n)
```

```
        printf("%s\n", a);
```

```
    else {
```

```
        for (j = i; j <= n; j++)
```

```
        {
```

```
            swap((a + i), (a + j));
```

```
            permute(a, i + 1, n);
```

```
            swap((a + i), (a + j));
```

```
        }
```

```
    }
```

```
}
```

```
int main()
```

```
{
```

```
    char a[40];
```

```
    int n;
```

```
    printf("Enter a string: ");
```

```
    scanf("%s", a);
```

```
    n = strlen(a);
```

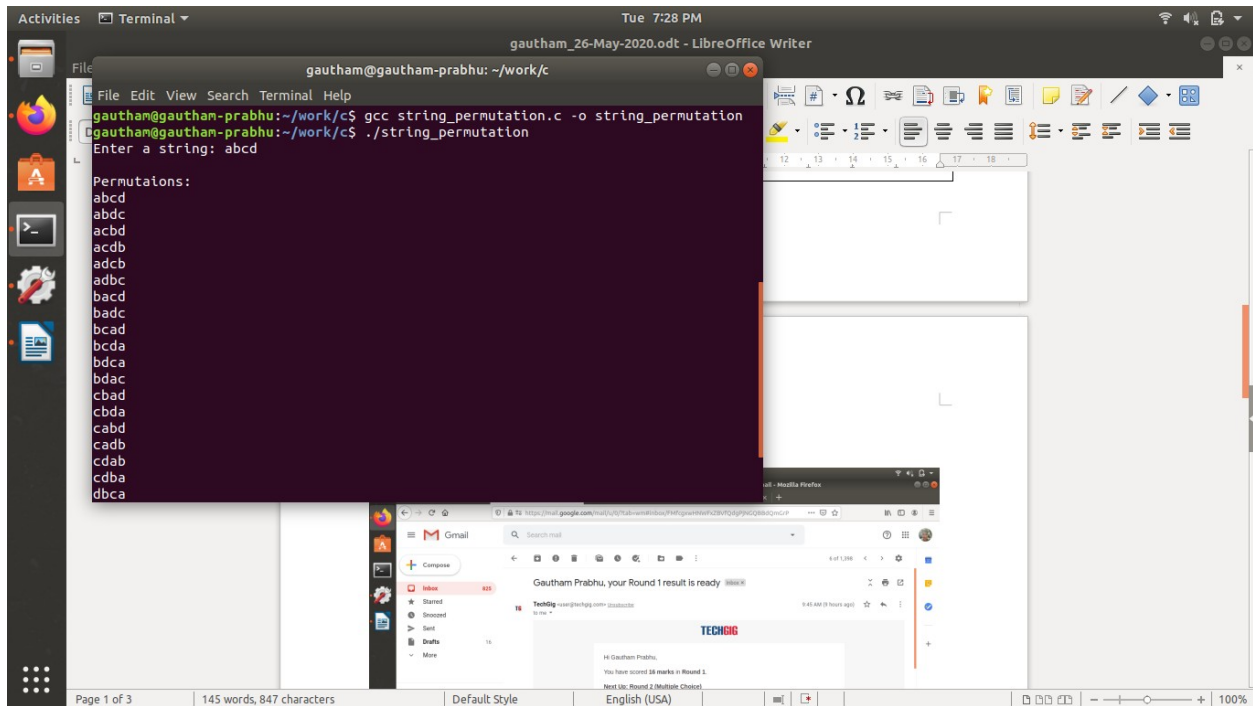
```
    printf("\nPermutations:\n");
```

```
    permute(a, 0, n - 1);
```

```
    getchar();
```

```
    return 0;
```

}



## Program 2:

```
#include <bits/stdc++.h>
```

```
using namespace std;
```

```
void cntArray(int A[], int N)
```

```
{
```

```
    int result = 0;
```

```
    int frequency[N + 1] = { 0 };
```

```
    for (int i = 0; i < N; i++) {
```

```
        frequency[A[i]]++;
```

```
    }
```

```
    for (int i = 1; i <= N; i++) {
```

```

        int frequency_of_i = frequency[i];
        result += ((frequency_of_i) * (frequency_of_i + 1)) /
2;

    }

    cout << result << endl;

}

int main()
{

    /*int A[] = { 1, 5, 6, 1, 9, 5, 8, 10, 8, 9 };
    int N = sizeof(A) / sizeof(int); */
    int i,N=0,A[20];
    cout<<"Enter no of elementd : ";
    cin>> N;
    for(i=0;i<N;i++)
        cin>>A[i];
    cntArray(A, N);
    return 0;

}

```

