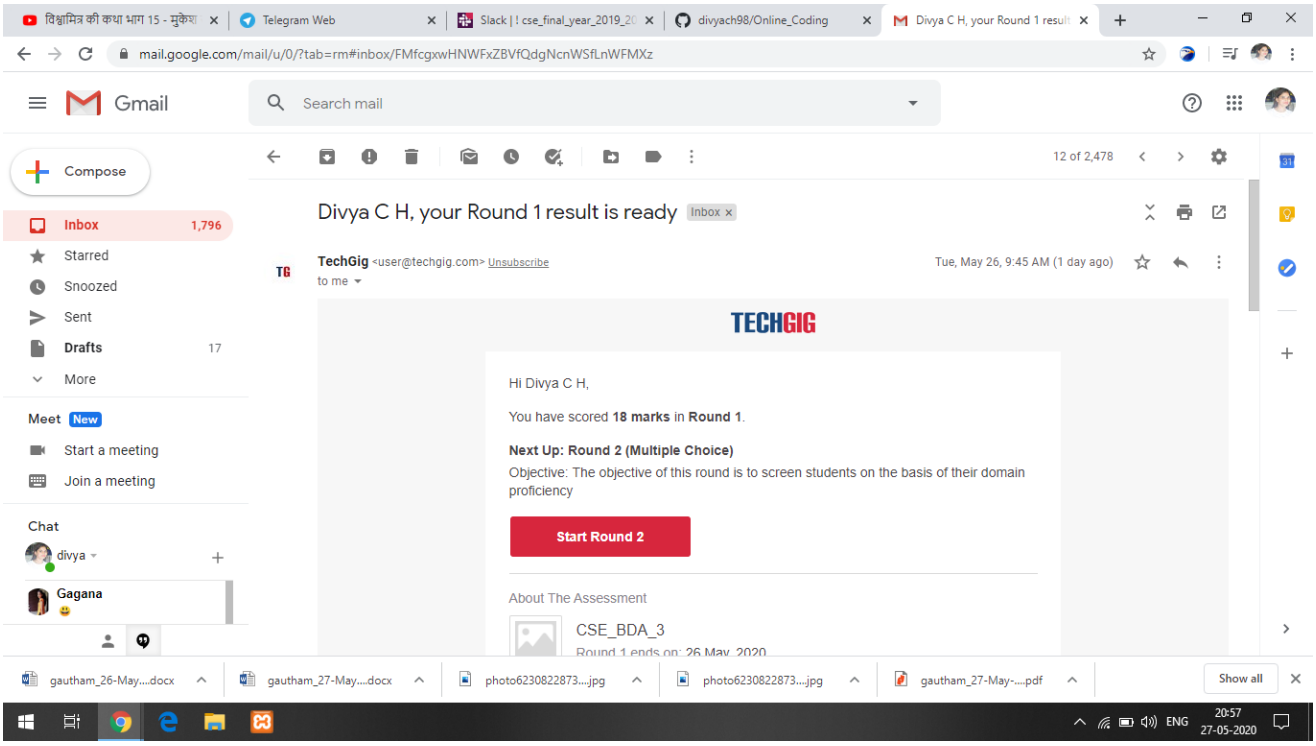
DAILY ONLINE ACTIVITIES SUMMARY

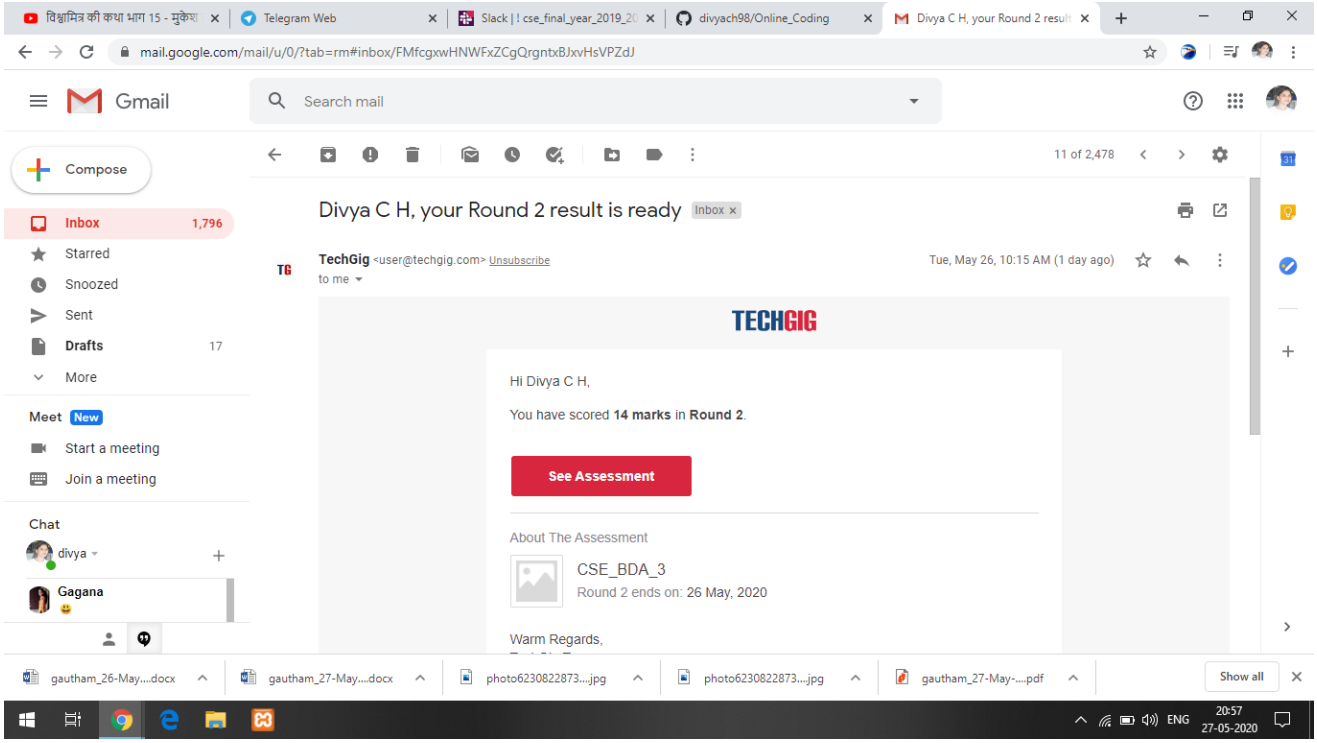
Date:	**26/5/2020**	**Name:**	**Divya C H**
Sem & Sec	**8th Sem**	**USN:**	**4AL16CS033**
Online Test Summary			
Subject	**Big Data Analytics**		
Max. Marks	**Round 1:20 Round 2:20**	**Score**	**Round 1:18 Round 2:14**
Certification Course Summary			
Course	**jQuery for Absolute Beginners : From Beginning to Advanced**		
Certificate Provider	**Udemy.com**	**Duration**	**2.3hrs**
Coding Challenges			
Problem Statement: 1)Write a program in C to print all permutations of a given string using pointers 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.			
Status: Completed			
Uploaded the report in Github	**Yes**		
If yes Repository name	**Daily_report**		
Uploaded the report in slack	**yes**		

Online Test Details:

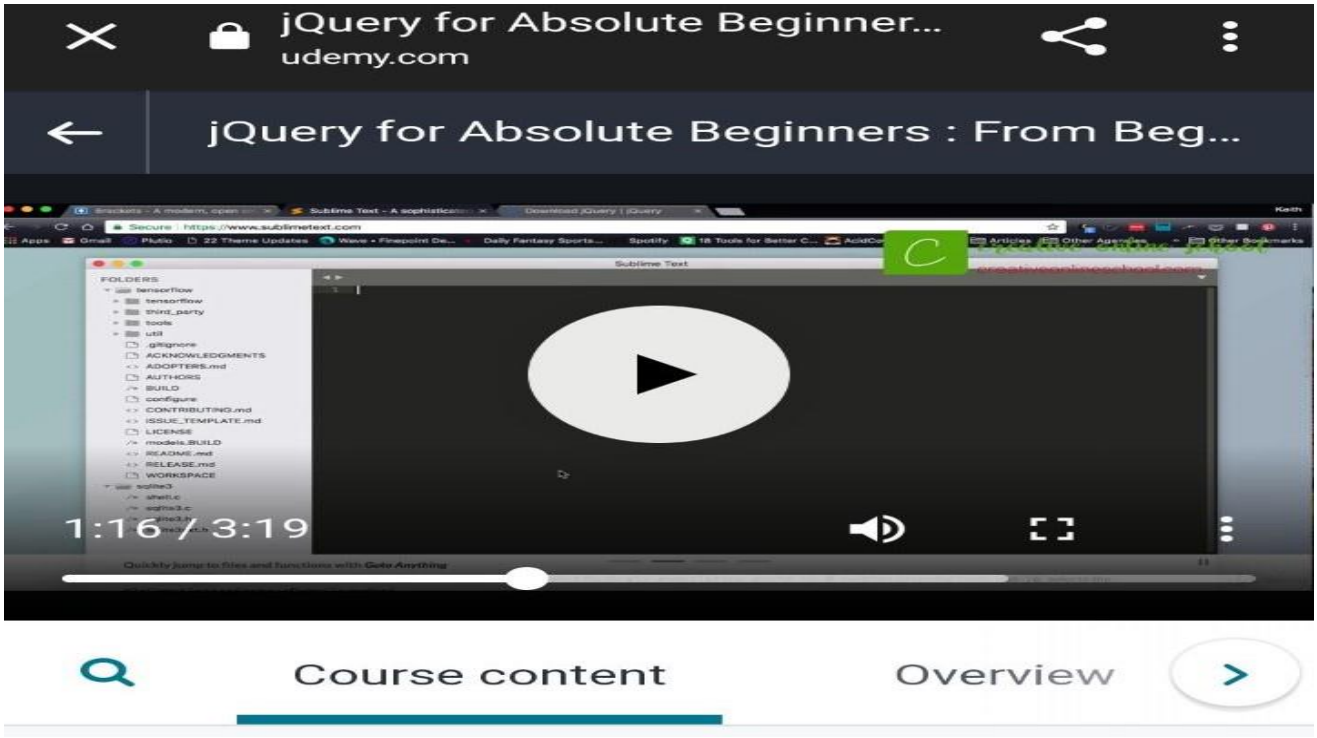
Round 1:



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("\nPermutaions:\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;
}
```