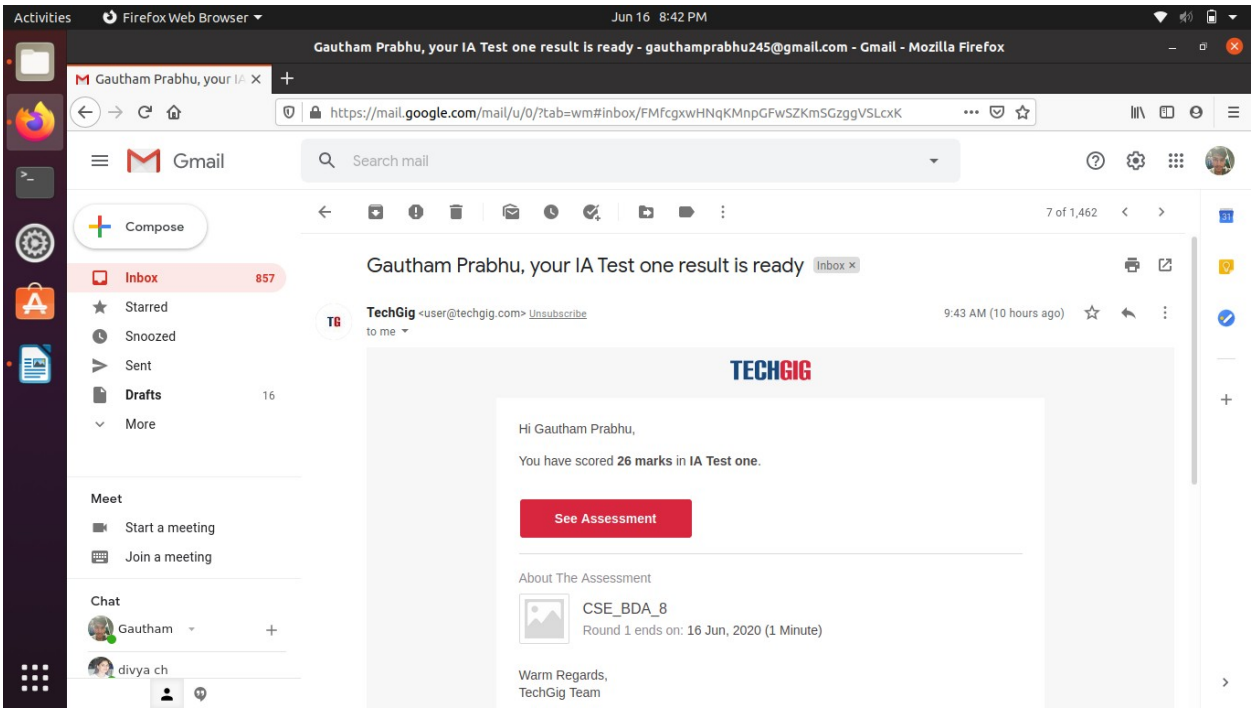
DAILY ONLINE ACTIVITIES SUMMARY

Date:	**16/06/2020**	**Name:**	**Gautham Prabhu**
Sem & Sec	**8th Sem**	**USN:**	**4AL16CS035**
Online Test Summary			
Subject	**Big Data Analytics**		
Max. Marks	**30**	**Score**	**26**
Certification Course Summary			
Course	**HTML, CSS, & JavaScript - Certification Course for Beginners**		
Certificate Provider	**udemy.com/**	**Duration**	**6 hrs**
Coding Challenges			
Problem Statement: 1)TRIPLY LINKED LIST DESCRIPTION. The Programming Question will be posted Tomorrow.			
Status: Completed			
Uploaded the report in Github	**Yes**		
If yes Repository name	**Daily_report**		
Uploaded the report in slack	**yes**		

Online Test Details:



Certification Course Details:

Coding Challenges Details:

Program 1:

```
#include<stdio.h>

struct SLL;
struct TLL {
struct TLL *top;
struct TLL *bottom;
struct SLL *next;
};
typedef struct TLL tnode;

typedef struct SLL {
char ch;
struct SLL *link;
};
typedef struct SLL snode;

snode *newnode, *ptr, *prev, *temp;
snode *first = NULL, *last = NULL;

tnode *newt, *tlast = NULL, *ttemp;

//--- TLL node---
tnode* create_tnode()
```

```
{
   newt = (tnode *)malloc(sizeof(tnode));
   if (newt == NULL)
   {
      printf("\nMemory was not allocated");
      return 0;
   }
   else
   {
      newt->top = NULL;
      newt->bottom = NULL;
      newt->next = NULL;
      return newt;
   }
}

//---SLL---
snode* create_node(char c)
{
   newnode = (snode *)malloc(sizeof(snode));
   if (newnode == NULL)
   {
      printf("\nMemory was not allocated");
      return 0;
   }
```

```
    else
    {
        newnode->ch = c;
        newnode->link = NULL;
        return newnode;
    }
}

//--- insert SLL---
void insert_node_first(char c)
{

    newnode = create_node(c);
    if(tlast->next == NULL)
        tlast->next = newnode;

    if (first == last && first == NULL)
    {
        first = last = newnode;
        first->link = NULL;
        last->link = NULL;
    }
    else
    {
        temp = first;
```

```
        first = newnode;
        first->link = temp;
    }

    printf("\n----INSERTED %c TO SLL----", c);
}

//---insert TLL---
void insert_Tnode()
{

    newt = create_tnode();
    if (tlast == NULL)
    {
        tlast = newt;
        tlast->next = NULL;
        tlast->top = NULL;
        tlast->bottom = NULL;
    }
    else
    {
        ttemp = tlast;
        tlast = newt;
        tlast->next = NULL;
        tlast->top = ttemp;
```

```
        tlast->bottom = NULL;
        ttemp->bottom = tlast;
    }
    printf("\n----CREATED NEW TLL----");
}

void main()
{
    char s[100], n;
    int i;
    scanf("%[^;]s",s);

    insert_Tnode();
    for(i = 0; s[i] != '\0'; i++)
    {
        n = s[i];
        if(n == '\n')
            insert_Tnode();
        else
            insert_node_first(n);
    }
    printf("\n%s\n",s);
}
```