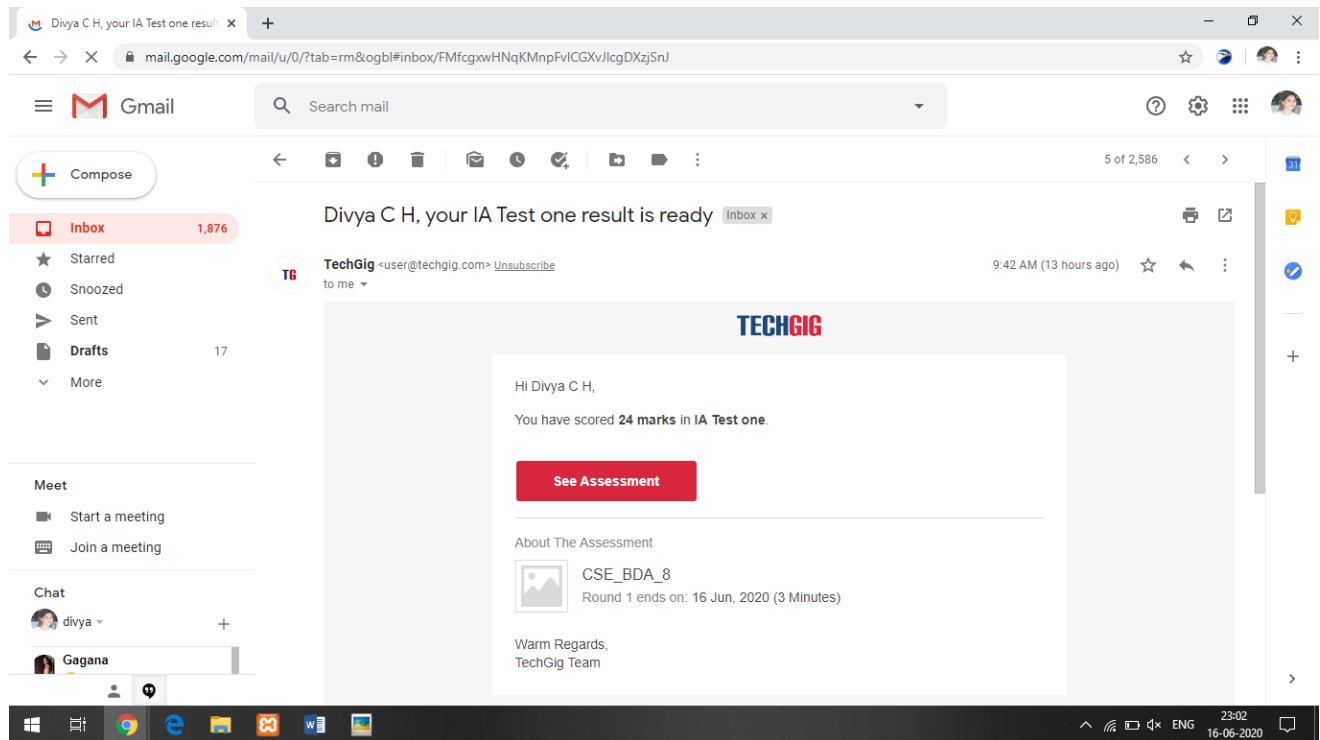


DAILY ONLINE ACTIVITIES SUMMARY

Date:	16/06/2020	Name:	Divya C H
Sem & Sec	8 th Sem	USN:	4AL16CS033
Online Test Summary			
Subject	Big Data Analytics		
Max. Marks	30	Score	24
Certification Course Summary			
Course	Learn how to make practical PLC project with interfacing		
Certificate Provider	udemy.com/	Duration	1 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);
}

```