DAILY ONLINE ACTIVITIES SUMMARY

Date:	**16-06-2020**	**Name:**	**Deepika K V**
Sem & Sec	**8th sem 'A' sec**	**USN:**	**4AL16CS030**

Online Test Summary

Subject	**BDA**		
Max. Marks	**30**	**Score**	20

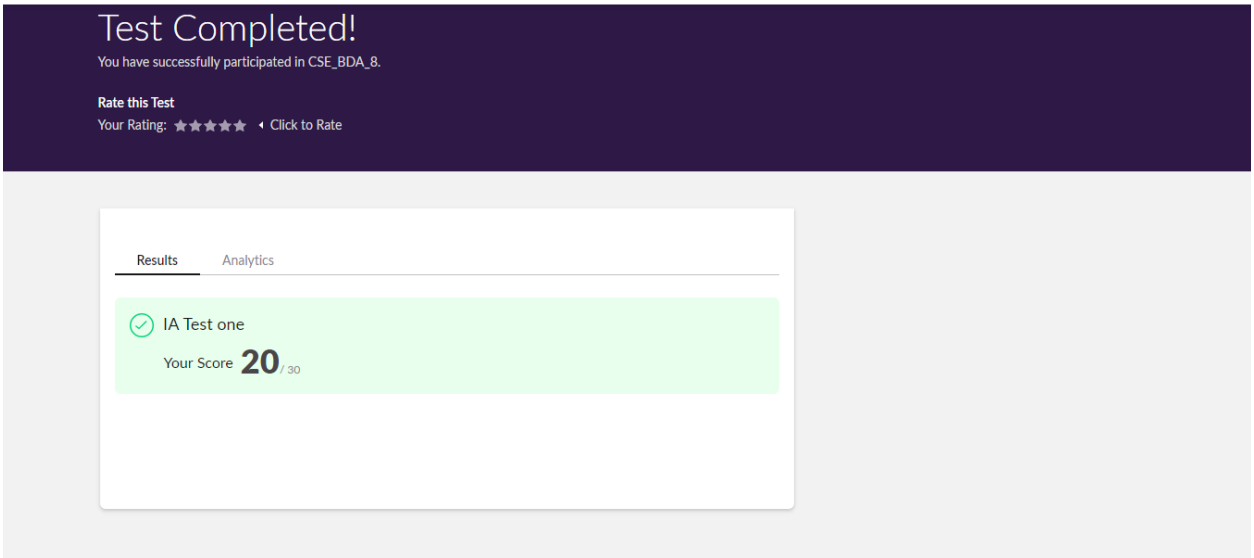
Certification Course Summary

Course	R programming guide for begginers		
Certificate Provider	**eduonix**	**Duration**	**3 hrs**

Coding Challenges

Problem Statement: Write a C program to insert the data into triply linked list.	
Status: SUBMITTED	
Uploaded the report in Github	**YES**
If yes Repository name	**Codes**
Uploaded the report in slack	**YES**

Online test details:



Certification Course Details:

Coding Challenge:

```
#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);
}
```