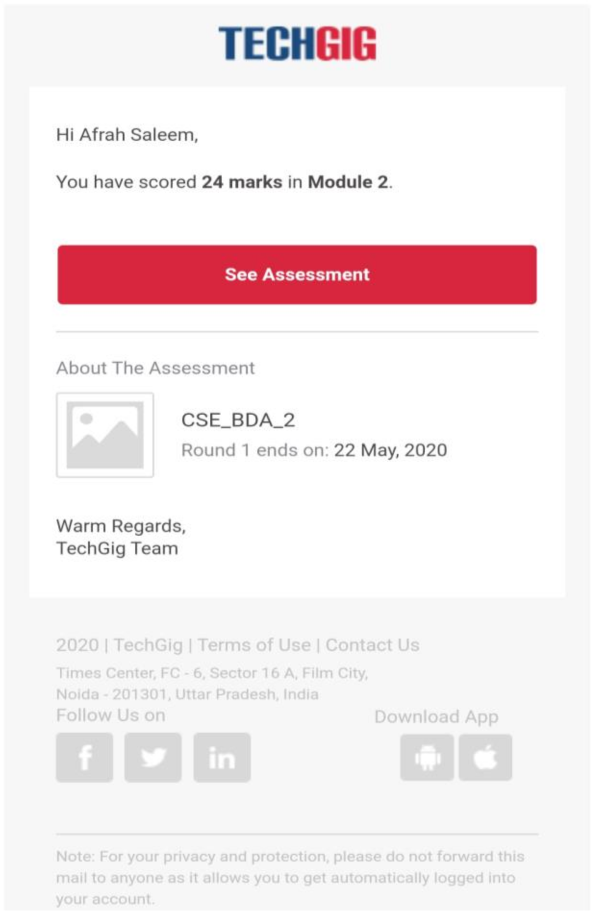
DAILY ONLINE ACTIVITIES SUMMARY

Date:	22/5/2020	Name:	Afrah Saleem
Sem & Sec	8th Sem B section	USN:	4AL16CS127
Online Test Summary			
Subject	Big Data Analytics		
Max. Marks	40	Score	24
Certification Course Summary			
Course	Practical java course: Zero to one		
Certificate Provider	Udemy	Duration	4 hrs
Coding Challenges			
Problem Statement: 1)**Write a C Program to implement various operations of Singly Linked List Stack**			
Status: Completed			
Uploaded the report in Github	Yes		
If yes Repository name	Afrah		
Uploaded the report in slack	yes		

Online Test Details:



TECHGIG

Hi Afrah Saleem,

You have scored **24 marks** in **Module 2**.

See Assessment

About The Assessment

CSE_BDA_2

Round 1 ends on: 22 May, 2020

Warm Regards,
TechGig Team

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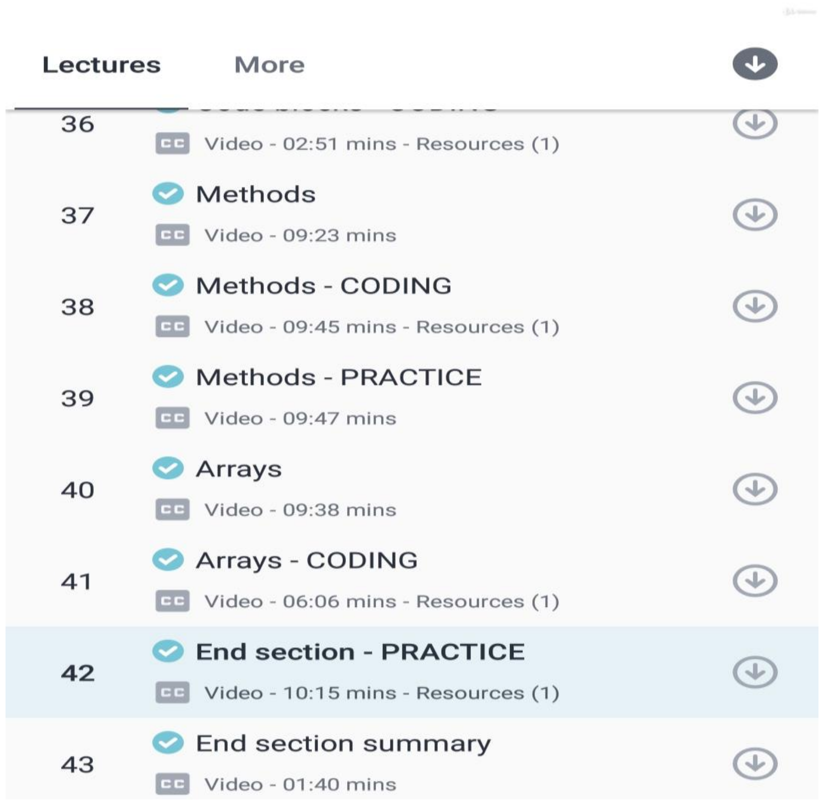
Certification Course Details:

BEGINNER SECTION – END LEVEL TASK



Lectures More

36
Video - 02:51 mins - Resources (1)

37 Methods
Video - 09:23 mins

38 Methods - CODING
Video - 09:45 mins - Resources (1)

39 Methods - PRACTICE
Video - 09:47 mins

40 Arrays
Video - 09:38 mins

41 Arrays - CODING
Video - 06:06 mins - Resources (1)

42 End section - PRACTICE
Video - 10:15 mins - Resources (1)

43 End section summary
Video - 01:40 mins

Coding Challenges Details:

Program 1:

```
#include <stdio.h>

#include <stdlib.h>


struct node

{

   int info;

   struct node  *ptr;

}*top,*top1,*temp;


int topelement();

void push(int  data);

void pop();

void    empty();

void  display();

void   destroy();

void stack_count();

void create();

int count = 0;


void main()

{

   int no, ch, e;

   while (1)

   {
```

```
printf("\n 1 - Push\t\t2 - Pop");
printf("\n 3 - Top\t\t4 - Check if Stack Empty");
printf("\n 5 - Exit\t\t6 - Dipslay");
printf("\n 7 - Stack Count\t8 - Destroy stack");
                            printf("\n ------------------------------------------------------------\n");
create();
printf("\nEnter choice : ");
scanf("%d", &ch);

switch (ch)
{
case 1:
  printf("Enter data : ");
  scanf("%d", &no);
  push(no);
  break;
case 2:
  pop();
  break;
case 3:
  if (top == NULL)
    printf("No elements in stack");
  else
  {
    e = topelement();
    printf("\n Top element : %d", e);
  }
```

```
                                                  printf("\n -------------------------------------------------------- \n");
            break;
          case 4:
            empty();
            break;
          case 5:
            exit(0);
          case 6:
            display();
            break;
          case 7:
            stack_count();
            break;
          case 8:
            destroy();
            break;
          default  :
            printf(" Wrong choice, Please enter correct choice ");
                                                  printf("\n -------------------------------------------------------- \n");
            break;
          }
      }
  }
  void create()
  {
      top = NULL;
  }
```

```
void stack_count()
{
   printf("\n No. of elements in stack : %d", count);
                                                    printf("\n ------------------------------------------------------------\n");
}
void push(int data)
{
   if (top == NULL)
   {
      top =(struct node *)malloc(1*sizeof(struct  node));
      top->ptr = NULL;
      top->info = data;
   }
   else
   {
      temp =(struct node  *)malloc(1*sizeof(struct  node));
      temp->ptr  = top;
      temp->info  = data;
      top = temp;
   }
   count++;
                                                    printf("\n ------------------------------------------------------------\n");
}
void display()
{
   top1 = top;
```

```
    if (top1 == NULL)
    {
        printf("Stack is empty");
                                                                printf("\n ------------------------------------------------------------\n");
        return;
    }

    while (top1 != NULL)
    {
        printf("%d  ", top1->info);
        top1 = top1->ptr;
    }
                                                            printf("\n ------------------------------------------------------------\n");
 }
void pop()
{
    top1 = top;

    if (top1 == NULL)
    {
        printf("\n Error : Trying to pop from empty stack");
        return;
    }
    else
        top1 = top1->ptr;
    printf("\n Popped value : %d", top->info);
    free(top);
    top = top1;
    count--;
                                                      printf("\n -------------------------------------------------------------\n");
}
int topelement()
{
    return(top->info);
}
void empty()
{
    if (top == NULL)
        printf("\n Stack is empty");
    else
        printf("\n Stack is not empty with %d elements", count);
                                                      printf("\n -------------------------------------------------------------\n");
}
void destroy()
{
    top1 = top;

    while (top1 != NULL)
    {
        top1 = top->ptr;
        free(top);
        top = top1;
        top1 = top1->ptr;
    }
    free(top1);
    top = NULL;

    printf("\n All stack elements destroyed");
    count = 0;
    printf("\n--------------------------------------------------------------\n");
}
```