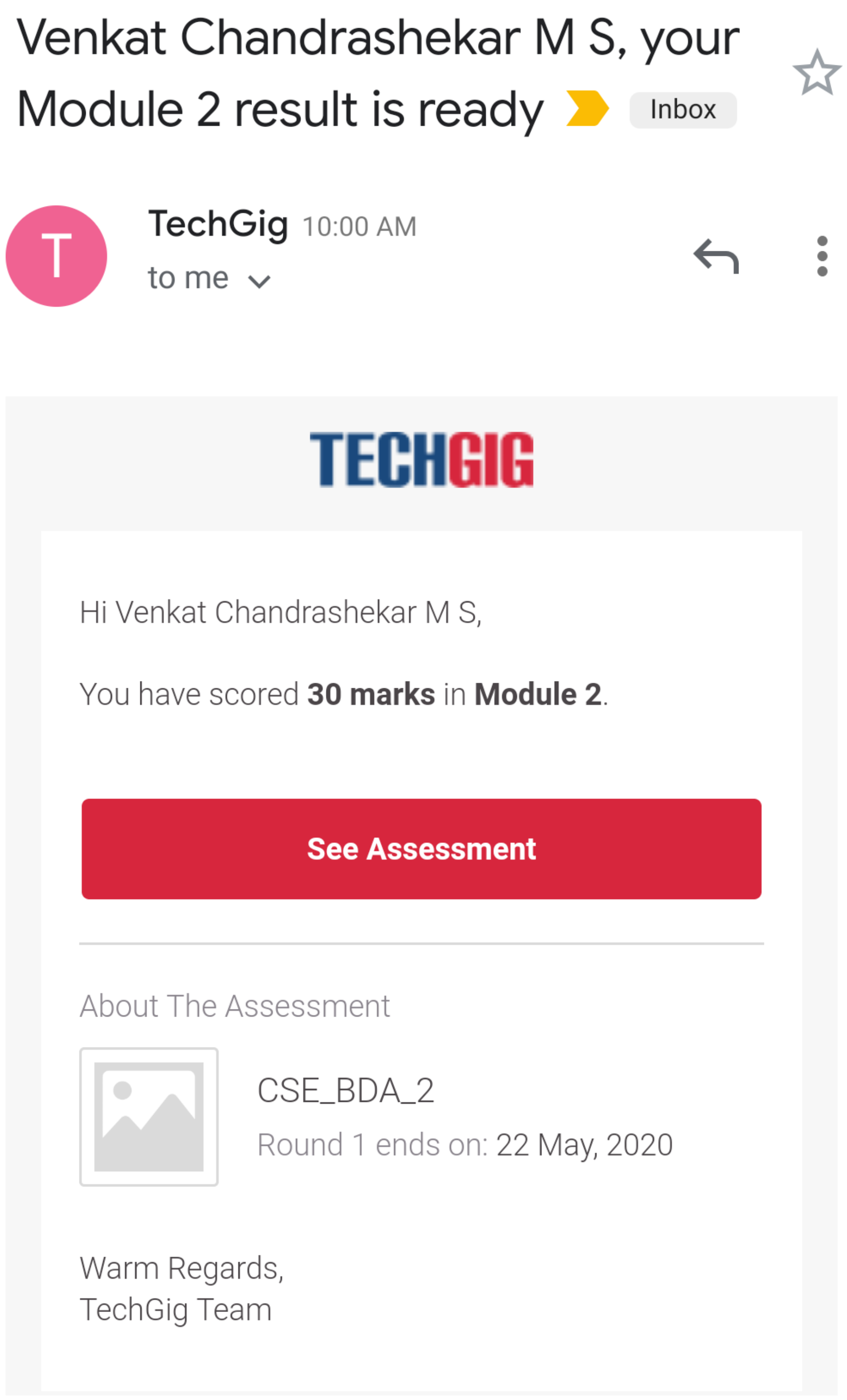
DAILY ONLINE ACTIVITIES SUMMARY

Date:	**22/05/2020**	**Name:**	**Venkata Chandrashekar M S**
Sem & Sec	**8th- B**	**USN:**	**4AL16CS119**
Online Test Summary			
Subject	**BDA**		
Max. Marks	**40**	**Score**	**30**
Certification Course Summary			
Course	**JAVA Tutorial Course**		
Certificate Provider	**SOLOLEARN**	**Duration**	**50 minutes**
Coding Challenges			
Problem Statement: 1) write a C program to create singly Linked list stack with the node corresponding to the first element is the base of the stack			
Status: Executed			
Uploaded the report in Github	**Yes**		
If yes Repository name	**venkatchandrashekar**		
Uploaded the report in slack	**Yes**		

Online Test Details:



Venkat Chandrashekar M S, your Module 2 result is ready Inbox

TechGig 10:00 AM
to me

TECHGIG

Hi Venkat Chandrashekar M S,

You have scored **30 marks** in **Module 2**.

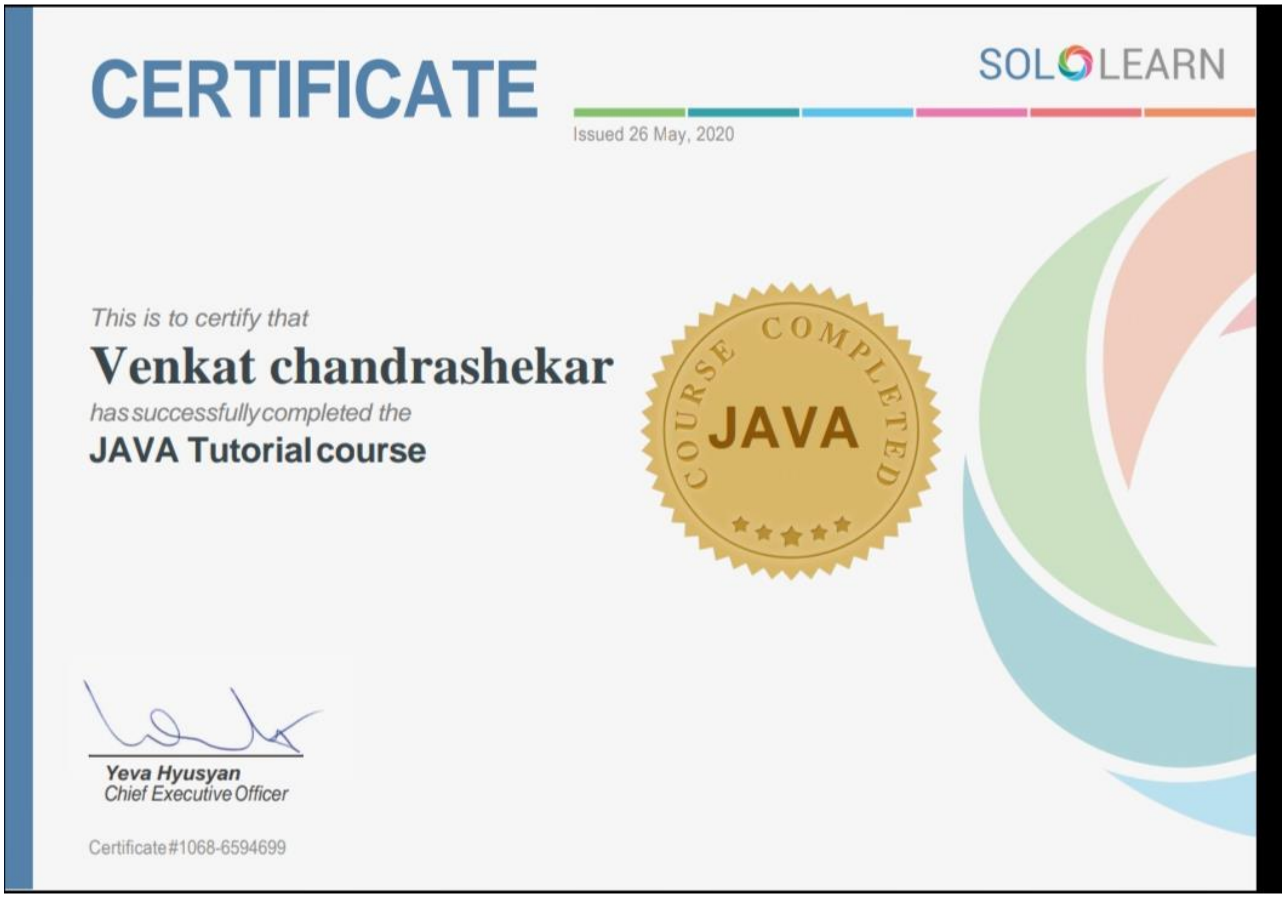
See Assessment

About The Assessment

CSE_BDA_2
Round 1 ends on: 22 May, 2020

Warm Regards,
TechGig Team

Certification Course Details:



CERTIFICATE

SOLOLEARN

Issued 26 May, 2020

This is to certify that

Venkat chandrashekar

has successfully completed the

JAVA Tutorial course

COURSE COMPLETED
JAVA

[illegible]

Yeva Hyusyan
Chief Executive Officer

Certificate#1068-6594699

Coding Challenges Details:

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;

printf("\n 1 - Push");
printf("\n 2 - Pop");
printf("\n 3 - Top");
printf("\n 4 - Empty");
printf("\n 5 - Exit");
printf("\n 6 - Dipslay");
printf("\n 7 - Stack Count");
printf("\n 8 - Destroy stack");

create();

while (1)
{
printf("\n Enter 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);
}
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 ");
break;
}
}
}

/* Create empty stack */
void create()
{
top = NULL;
}

/* Count stack elements */
void stack_count()
{
printf("\n No. of elements in stack : %d", count);
}

/* Push data into stack */
void push(int data)
{
if (top == NULL)
{
top =(struct node )malloc(1sizeof(struct node));
top->ptr = NULL;
top->info = data;
}
else
{
temp =(struct node )malloc(1sizeof(struct node));
temp->ptr = top;
temp->info = data;
top = temp;
}
count++;
}

/* Display stack elements */
void display()
{
top1 = top;

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

```
while (top1 != NULL)
{
printf("%d ", top1->info);
top1 = top1->ptr;
}
}

/* Pop Operation on stack */
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--;
}

/* Return top element */
int topelement()
{
return(top->info);
}

/* Check if stack is empty or not */
void empty()
{
if (top == NULL)
printf("\n Stack is empty");
else
printf("\n Stack is not empty with %d elements", count);
}

/* Destroy entire stack */
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;
}
```