DAILY ONLINE ACTIVITIES SUMMARY

Date:	**22-05-2020**	**Name:**	**Nayan. P. Joshi**
Sem & Sec	**8th Sem A**	**USN:**	**4AL16CS058**

Online Test Summary

Subject	**Big Data Analytics**		
Max. Marks	**40**	**Score**	**32**

Certification Course Summary

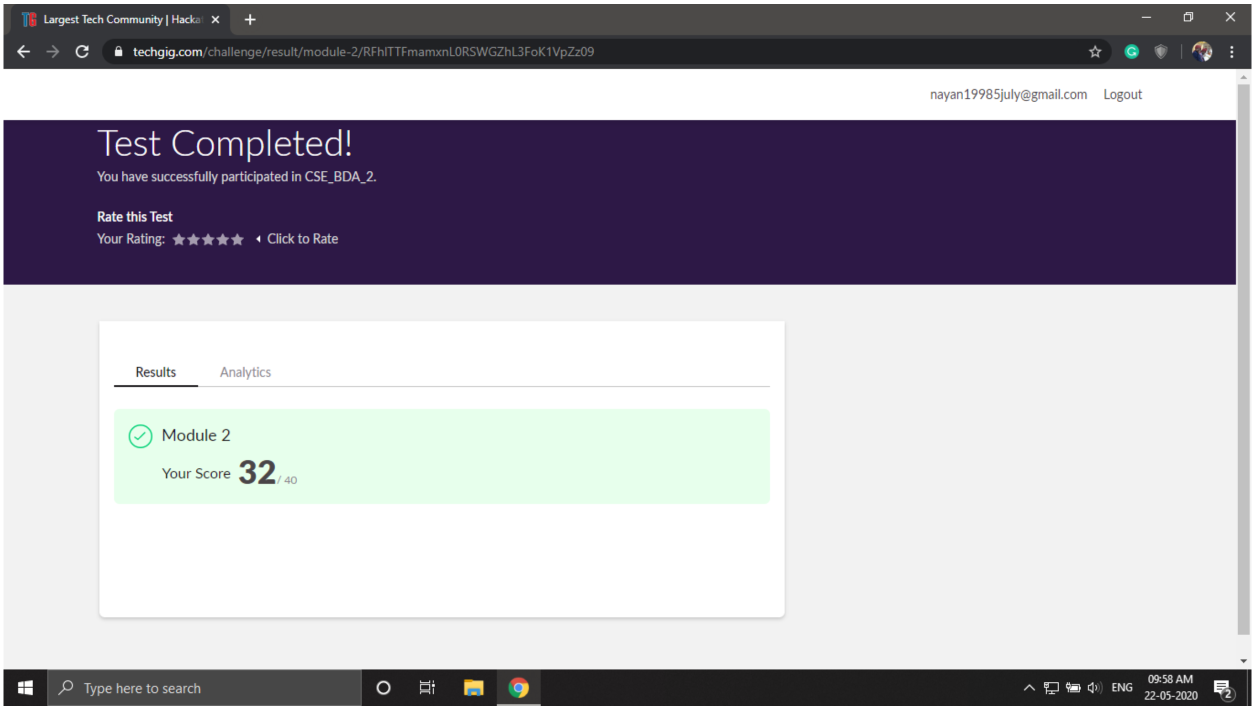
Course	**Introduction to Full Stack Development**		
Certificate Provider	**Great learning academy**	**Duration**	**60hrs**

Coding Challenges

Problem Statement:1:C Program implement various operations of Singly Linked List Stack
2.Given an array containing n distinct numbers taken from 0, 1, 2, ..., n, find the one that is missing from the array

Status: Solved

Uploaded the report in GitHub	**yes**
If yes Repository name	**nayan1998**
Uploaded the report in slack	**yes**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Test Completed!

You have successfully participated in CSE_BDA_2.

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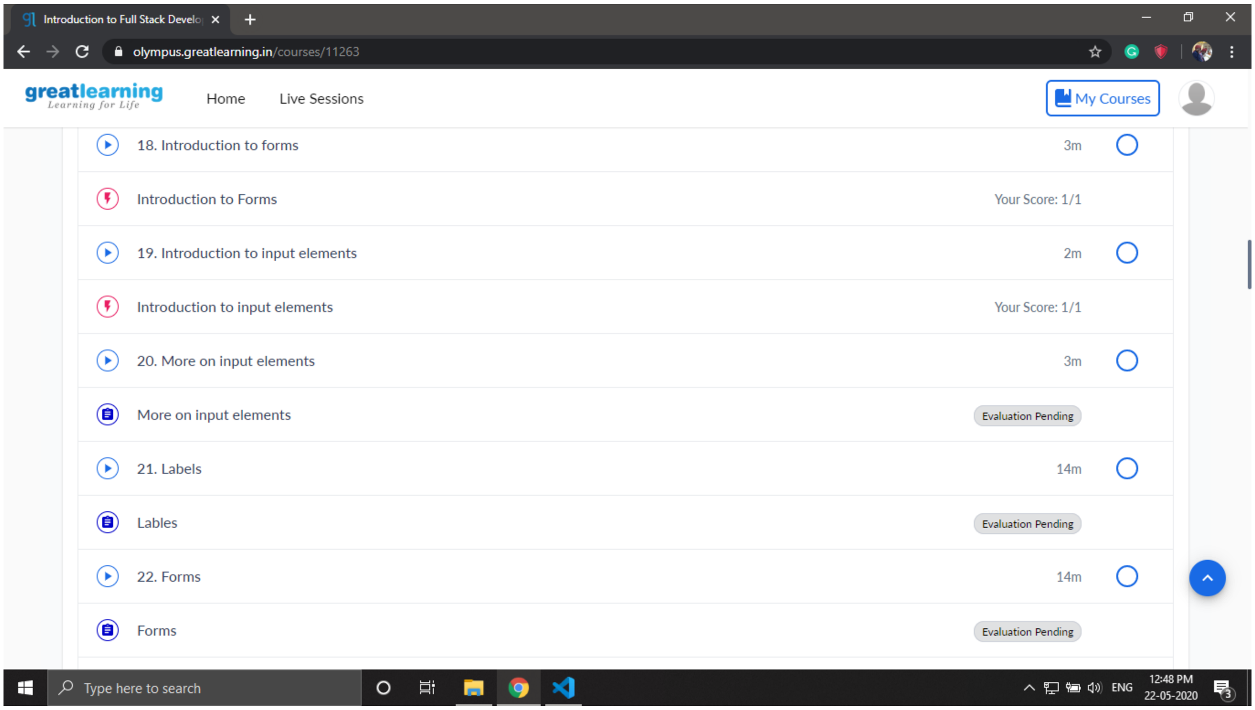
Results Analytics

Module 2

Your Score 32 / 40



18. Introduction to forms	3m	○
Introduction to Forms	Your Score: 1/1	
19. Introduction to input elements	2m	○
Introduction to input elements	Your Score: 1/1	
20. More on input elements	3m	○
More on input elements	Evaluation Pending	
21. Labels	14m	○
Lables	Evaluation Pending	
22. Forms	14m	○
Forms	Evaluation Pending	

C Program to implement various operations of Singly Linked List Stack

```
#include <stdio.h>
#include <stdlib.h>

struct node
{
    int info;
    struct node *ptr;
}*top,*top1,*temp;

void push(int data);
void pop();
void display();
void create();

int count = 0;

void main()
{
    int no, ch, e;

    printf("\n 1 - Push");
printf("\n 2 - Pop");
printf("\n 3 - Display");
printf("\n 4 - Destroy");
printf("\n 5 - Exit");

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:
            display();

            break;

        case 4:

                        destroy();

                              break;

        case 5:

            exit(0);

        default :

            printf("Invalid Input");

            break;

        }

    }

}



void create()

{

    top = NULL;

}


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++;
}


void display()
{
    top1 = top;

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

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

void pop()
{
    top1 = top;

    if (top1 == NULL)
    {
        printf("\n Error : Not Able to pop from empty stack");
        return;
    }
    else
        top1 = top1->ptr;
    printf("\n Popped value : %d", top->info);
    free(top);
    top = top1;
    count--;
}

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);
}

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;

}
```

Program(Given an array containing n distinct numbers taken from 0, 1, 2, ..., n, find the one that is missing from the array)

```
array = list(map(int, input("Enter array : ").split()))

print("Missing Number is :", sum(list(range(max(array)+1))) - sum(array))
```