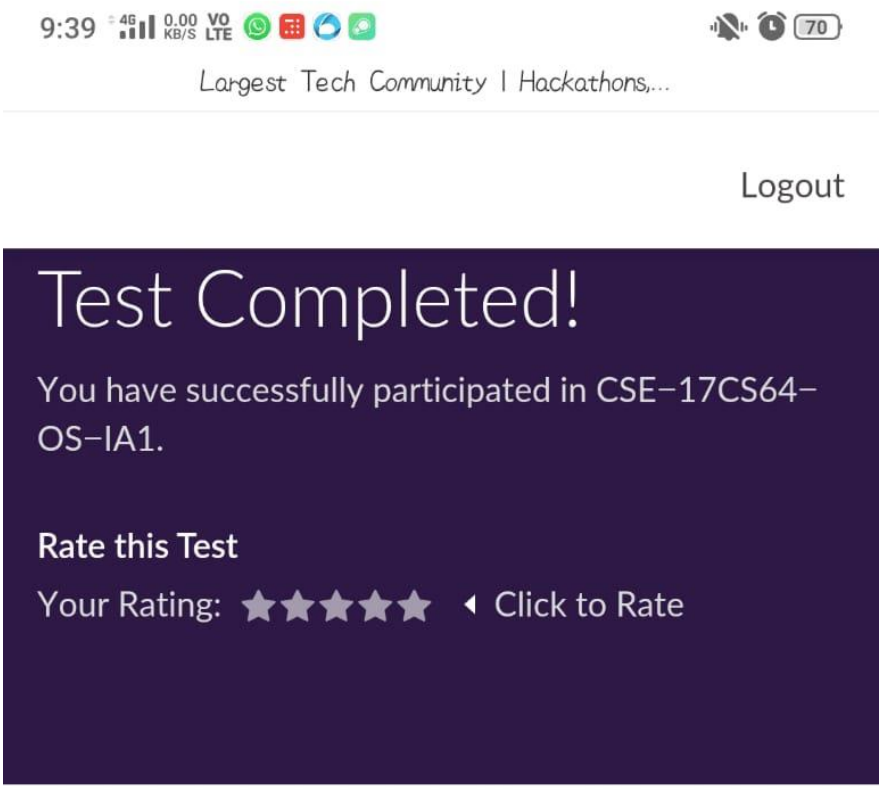
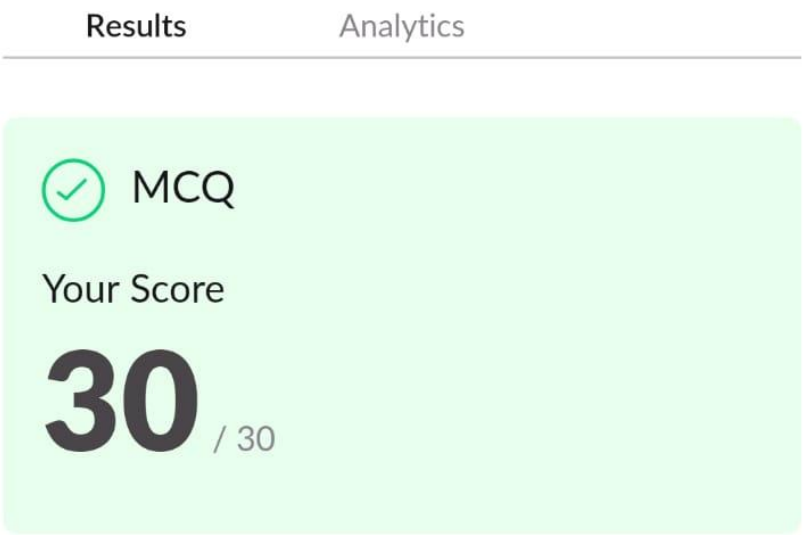
DAILY ONLINE ACTIVITIES SUMMARY

Date:	**21-05-2020**	**Name:**	**D Jasmine Joyline**
Sem & Sec	**VI A**	**USN:**	**4AL17CS024**
Online Test Summary			
Subject	**Operating System**		
Max. Marks	**30**	**Score**	**30**
Certification Course Summary			
Course	**Python Bootcamp 2020:Build 15 working applications and games**		
Certificate Provider	**Udemy**	**Duration**	**32hr**
Coding Challenges			
Problem Statement: 1.Write a java program to implement Round Robin Scheduling. 2.Write a Java Program to Demonstrate a Basic Calculator using Applet. 3.Write a simple code to identify given linked list is palindrome or not by using stack.			
Status: Completed			
Uploaded the report in Github	**Yes**		
If yes Repository name	https://github.com/alvas-education-foundation/D_Jasmine_Joyline/tree/master/daily_progress		
Uploaded the report in slack	**Yes**		

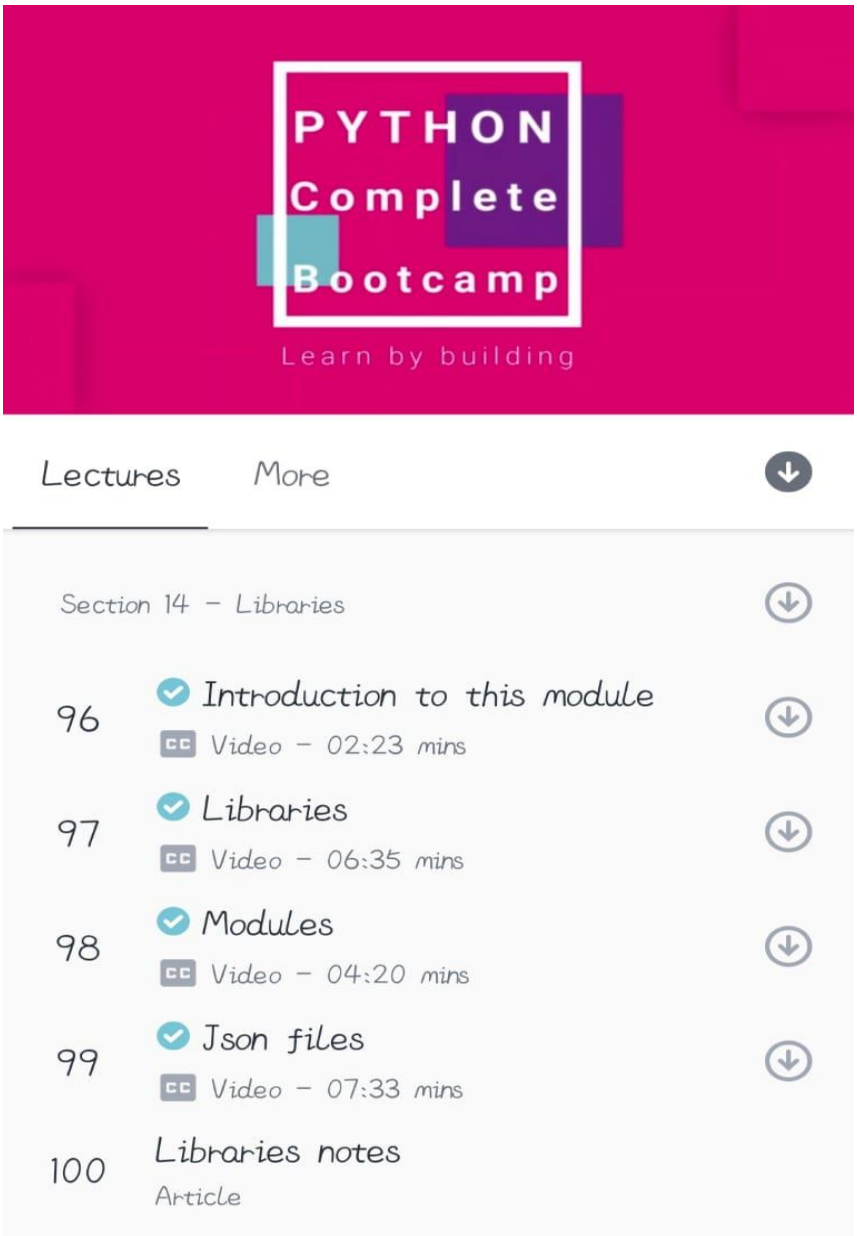
Online Test Details:

OS IA TEST





Certification Course Details:

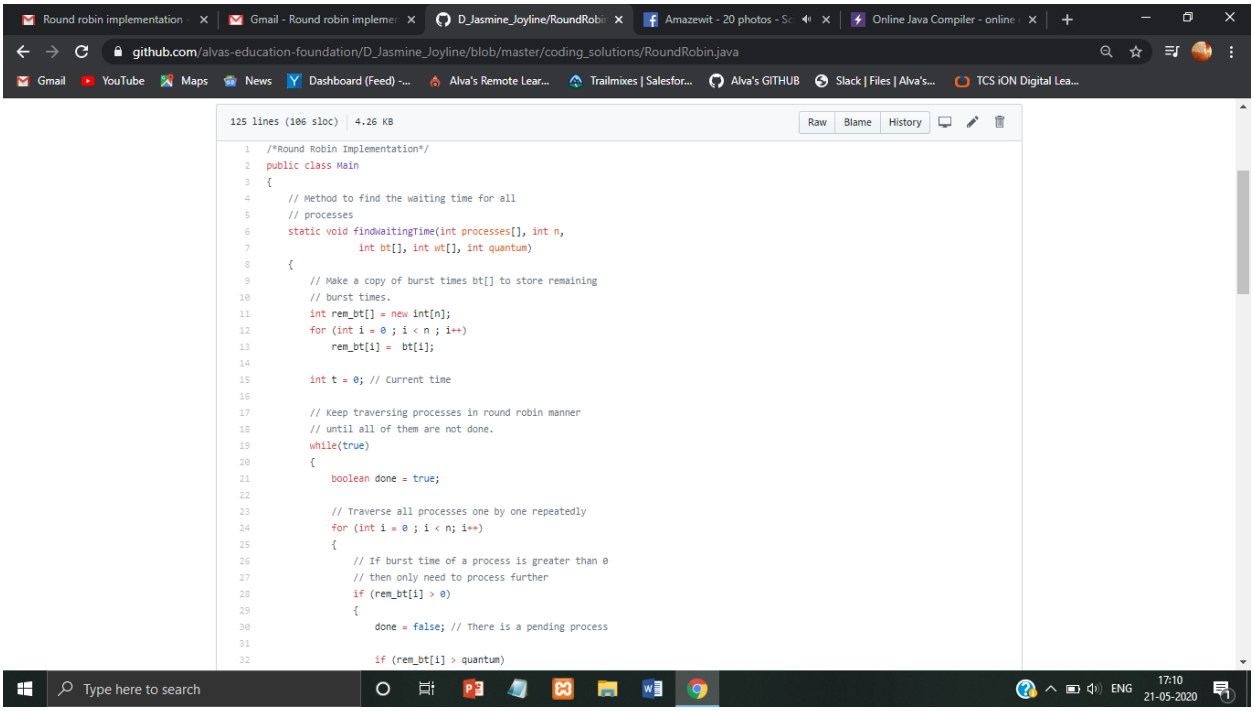


The modules that I have covered today:

- Decision Making Statements
- Loops
- Date and Time
- File handling
- Libraries

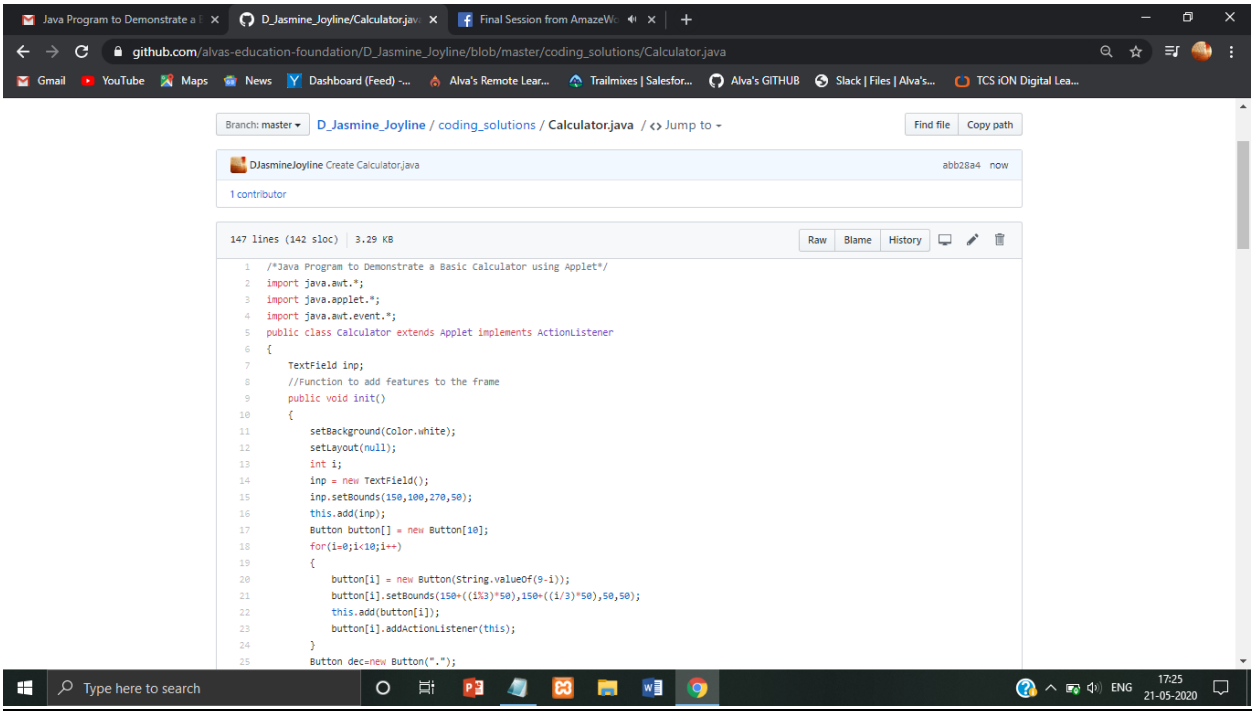
Coding Challenges Details:

1.Write a java program to implement Round Robin Scheduling.



```java
/*Round Robin Implementation*/
public class Main
{
    // Method to find the waiting time for all
    // processes
    static void findWaitingTime(int processes[], int n,
                int bt[], int wt[], int quantum)
    {
        // Make a copy of burst times bt[] to store remaining
        // burst times.
        int rem_bt[] = new int[n];
        for (int i = 0 ; i < n ; i++)
            rem_bt[i] =  bt[i];

        int t = 0; // Current time

        // Keep traversing processes in round robin manner
        // until all of them are not done.
        while(true)
        {
            boolean done = true;

            // Traverse all processes one by one repeatedly
            for (int i = 0 ; i < n; i++)
            {
                // If burst time of a process is greater than 0
                // then only need to process further
                if (rem_bt[i] > 0)
                {
                    done = false; // There is a pending process

                    if (rem_bt[i] > quantum)
```

2.Write a Java Program to Demonstrate a Basic Calculator using Applet.



```java
/*Java Program to Demonstrate a Basic Calculator using Applet*/
import java.awt.*;
import java.applet.*;
import java.awt.event.*;
public class Calculator extends Applet implements ActionListener
{
    TextField inp;
    //Function to add features to the frame
    public void init()
    {
        setBackground(Color.white);
        setLayout(null);
        int i;
        inp = new TextField();
        inp.setBounds(150,100,270,50);
        this.add(inp);
        Button button[] = new Button[10];
        for(i=0;i<10;i++)
        {
            button[i] = new Button(String.valueOf(9-i));
            button[i].setBounds(150+((i%3)*50),150+((i/3)*50),50,50);
            this.add(button[i]);
            button[i].addActionListener(this);
        }
        Button dec=new Button(".");
```

3.Write a simple code to identify given linked list is palindrome or not by using stack.