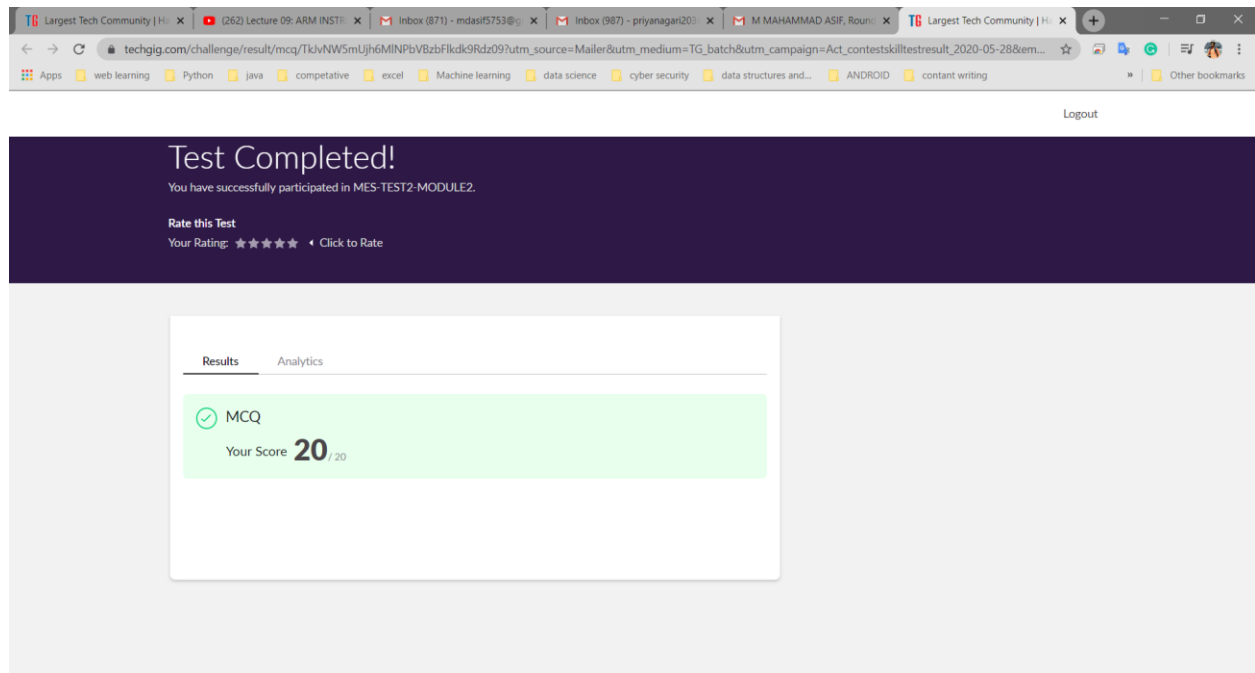


DAILY ONLINE ACTIVITIES SUMMARY

Date:	28/05/2020	Name:	M MAHAMMAD ASIF
Sem & Sec	4 th Sem & 'A' Sec	USN:	4AL18CS045
Online Test Summary			
Subject	Microcontroller and embedded System(18CS44).		
Max. Marks	20	Score	20
Certification Course Summary			
Course	The Complete Android App Development Masterclass:Build Apps		
Certificate Provider	Udemy	Duration	29 Hours
Coding Challenges			
<p>Problem Statement: 1. C program to find digital root of a number</p> <p>2. In an array X of size M where the array elements contain values from 1 to M with duplicates, the task is to find total number of sub arrays which start and end with the same element.</p>			
Status: Completed			
Uploaded the report in Github		Yes	
If yes Repository name		https://github.com/alvas-education-foundation/M_MAHAMMAD_ASIF	
Uploaded the report in slack		Yes	

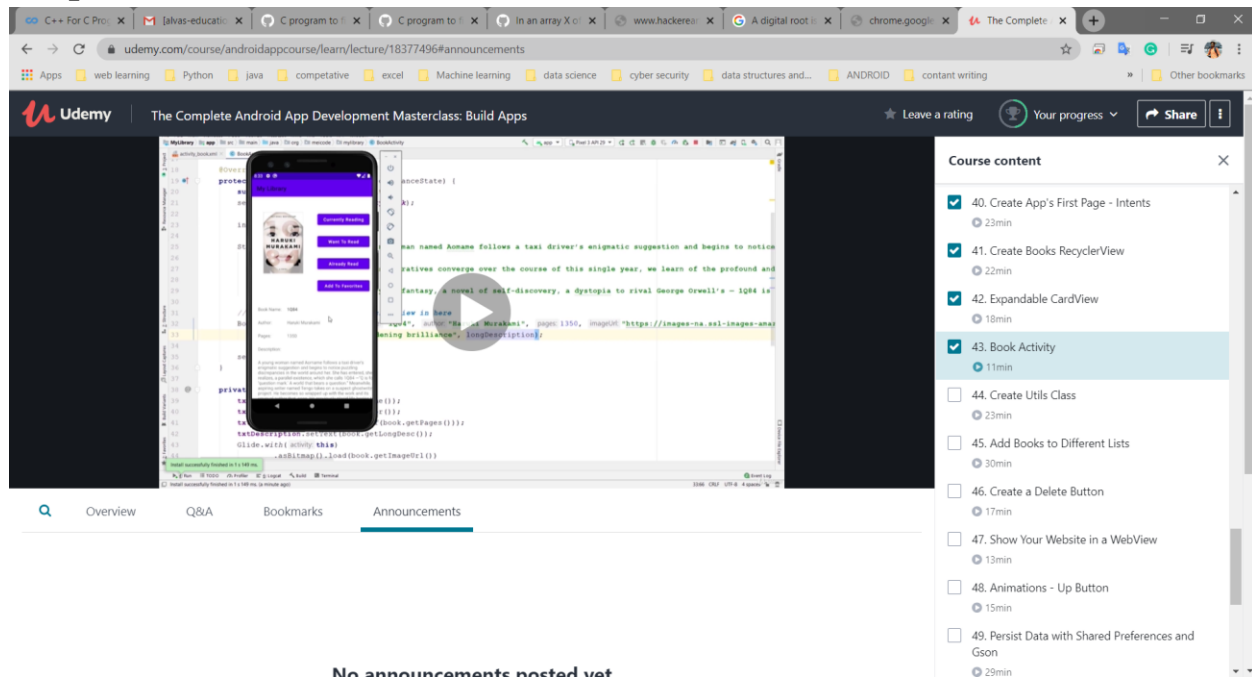
Online Test Details: The Microcontroller and embedded System(18CS44) 2nd Internal Assessment was conducted on 2th Module. In that I had Scored 20 marks out of 20.

Snapshot:



Certification Course Details: I have continued the course that is “Complete Android App Development Masterclass: Build Apps”, which is about 29 hours of Duration. In that, I had completed Next part of yesterday’s topic, Which includes concepts like Expandable Card View and Book Activity,etc., which was about more than 1 hour. Parallel to that whatever learn in course I’m practicing in Android Studio. And overall it takes 3-5 hours of duration to complete that day’s certification course concepts.

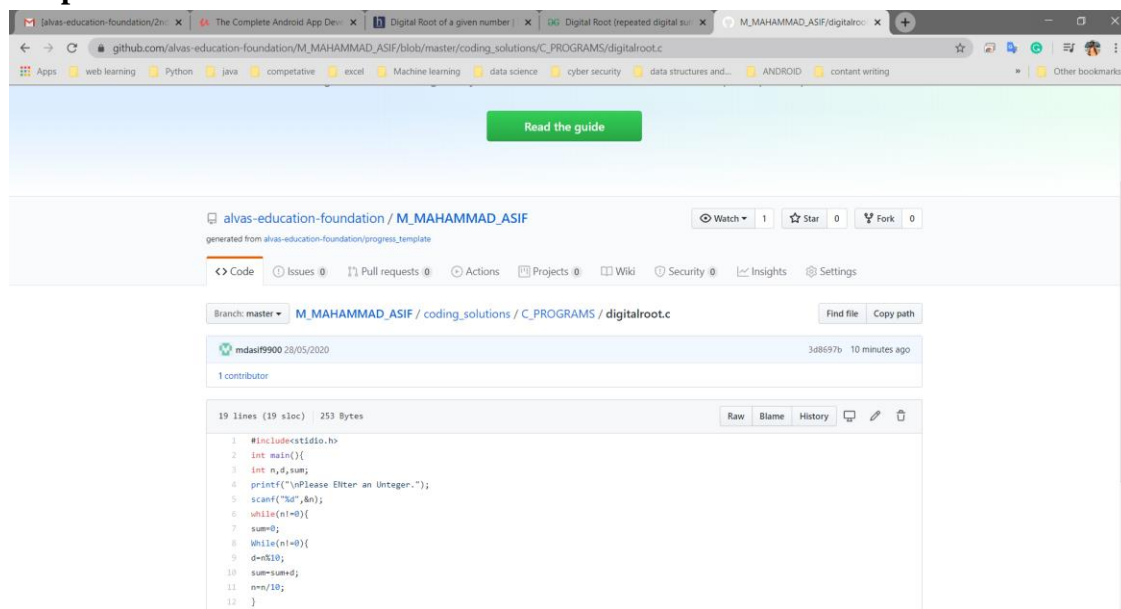
Snapshot:



Coding Challenges Details: The Two problems I have solved. The 1st is c program and 2nd is java program I Solved those By Understanding the Concepts through Online and updated the same in Github Repository. The two problem statements were:

1. C program to find digital root of a number.

Snapshot:



2. In an array X of size M where the array elements contain values from 1 to M with duplicates, the task is to find total number of sub arrays which start and end with the same element.

Snapshot:

The screenshot shows a web browser displaying a GitHub repository page for 'alvas-education-foundation / M_MAHAMMAD_ASIF'. The repository is a fork of 'alvas-education-foundation/progress_template'. The file 'cntArr.java' is selected, showing its code. The code is a Java program that counts the number of subarrays where the first and last elements are the same. It uses two nested loops: the outer loop iterates over the array elements, and the inner loop iterates over the subarrays starting from the current element. The count is incremented whenever the first and last elements of a subarray are equal.

```
1 import java.util.*;
2 public class cntArr {
3     public static void cntArray(int A[], int N)
4     {
5         int result = 0;
6
7         for (int i = 0; i < N; i++) {
8             result++;
9             int current_value = A[i];
10
11             for (int j = i + 1; j < N; j++) {
12
13                 // Check if A[j] == A[i]
14                 // Increase result by 1
15                 if (A[j] == current_value) {
16                     result++;
17                 }
18             }
19         }
20     }
21 }
```