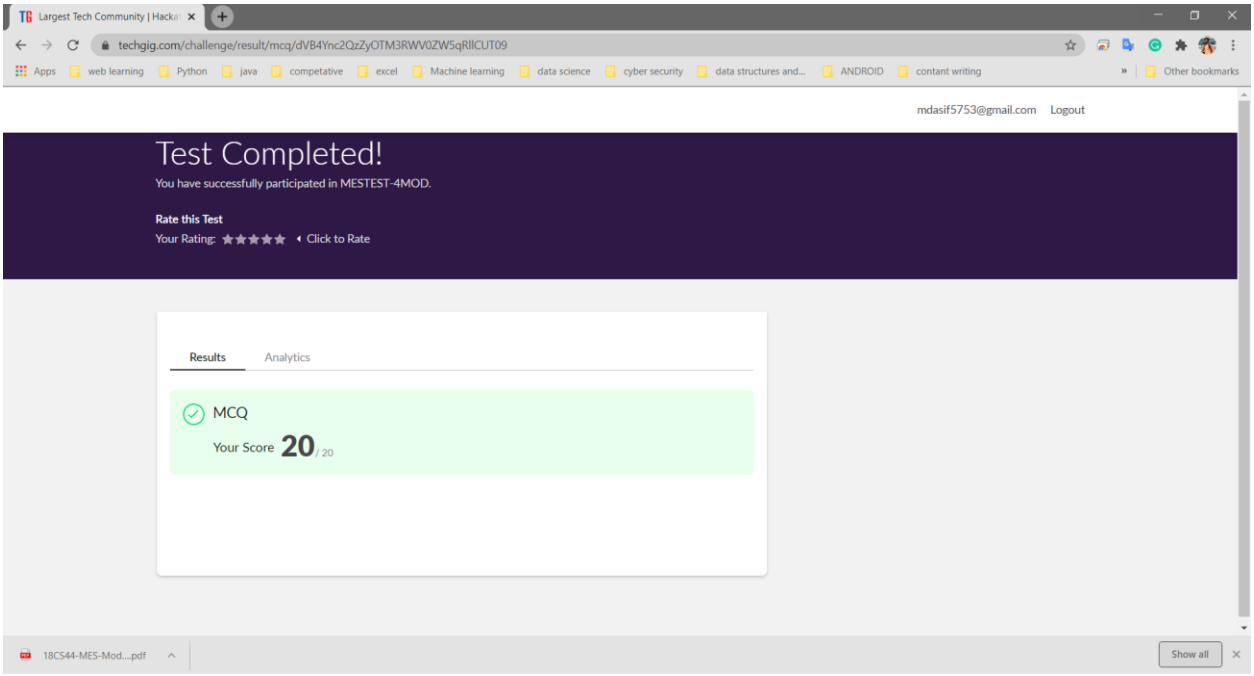
4DAILY ONLINE ACTIVITIES SUMMARY

Date:	**19/06/2020**	**Name:**	**M MAHAMMAD ASIF**
Sem & Sec	**4th Sem & 'A' Sec**	**USN:**	**4AL18CS045**
Online Test Summary			
Subject	**Microcontroller and embedded System (18CS44).**		
Max. Marks	**20**	**Score**	**20**
Certification Course Summary			
Course	**Complete Python Boot camp : Go Beginner to Expert in Python 3.**		
Certificate Provider	**Udamy**	**Duration**	**11 Hours**
Coding Challenges			
Problem Statement: 1. C Program to Count total set bits in all numbers from 1 to n. 2. C Program to rotate a Matrix by 90 Degree in Clockwise or Anticlockwise Direction.			
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: Today on the subject Microcontroller and embedded System (18CS44) test was conducted. Test consists of 20 MCQs of 1 mark each. I had scored 20 marks out of 20 marks.

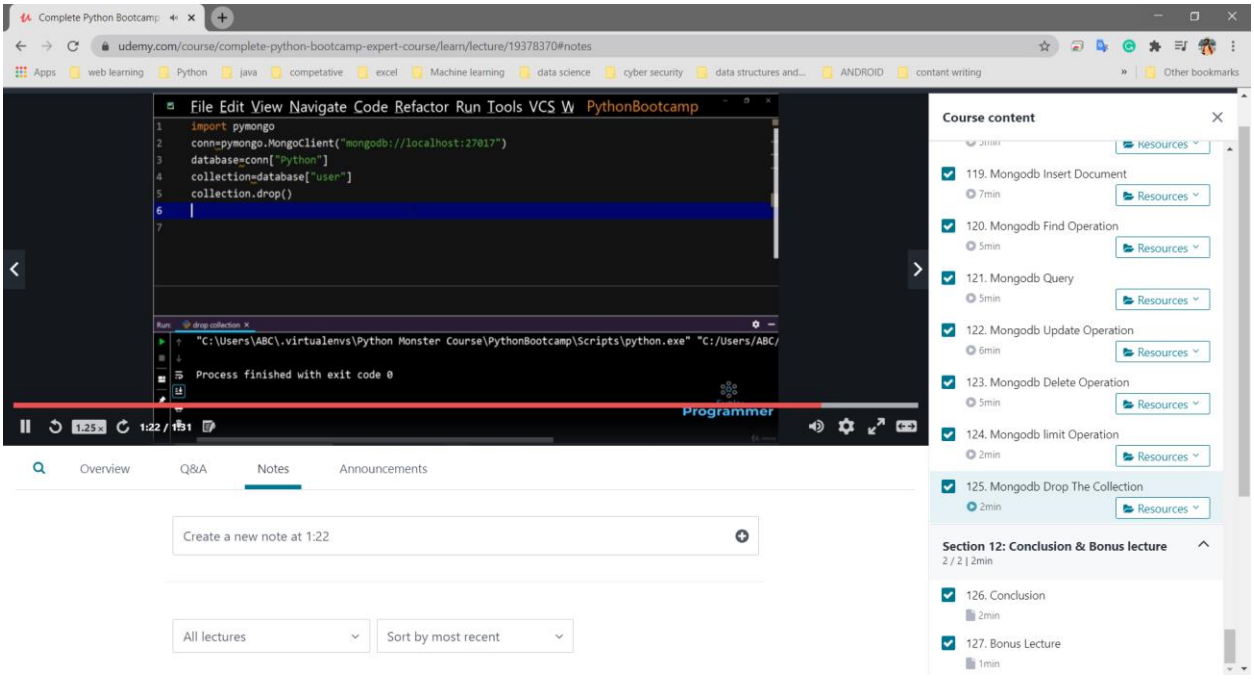
Snapshot:



Certification Course Details: Today I continued yesterday's course that is " Complete Python Boot camp : Go Beginner to Expert in Python 3 " and i had completed it. This was about 11 hours of Duration. Today I had studied SQLite Database Programming in Python and NO-SQL database programming MsngoDb.

In additional to this some other online courses I had completed, as a proof of it, I uploaded the Certificates in my other repository named "Completed course certificates."

Snapshot:



Above is the Snapshot of today's certification course.

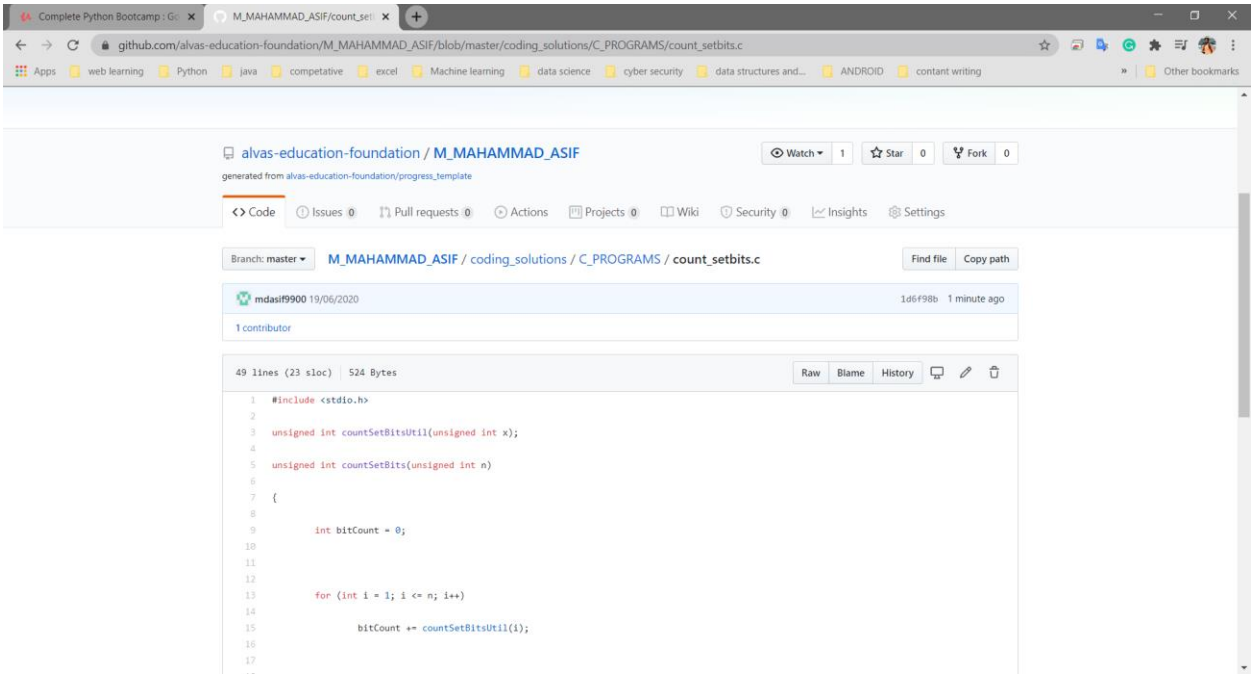
Coding Challenges Details: Today Two C program questions were given by Prof Venkatesh and Prof Shilpa. I had solved the problems and I uploaded the code in GitHub. The problem statement were:

1. C Program to Count Total set bits in all numbers from 1 to n.

Given a positive integer n, count the total number of set bits in binary representation of all numbers from 1 to n.

Examples:
Input: n = 3
Output: 4
Input: n = 6
Output: 9

Snapshot:



2. C Program to rotate a Matrix by 90 Degree in Clockwise or Anticlockwise Direction.

Matrix Rotation by 90 Degree in Clockwise Direction:

Input:
Enter the total Number of Rows m: 3

Enter the total Number of Columns: 3
Enter the Elements of the Matrix:
1 2 3 4 5 6 7 8 9
Output:
The Given Matrix is:
1 2 3
4 5 6
7 8 9
The Output Matrix After Rotation by 90 Degree in Clockwise Direction is:
7 4 1
8 5 2
9 6 3

Matrix Rotation by 90 Degree in Anticlockwise Direction:

Snapshot: