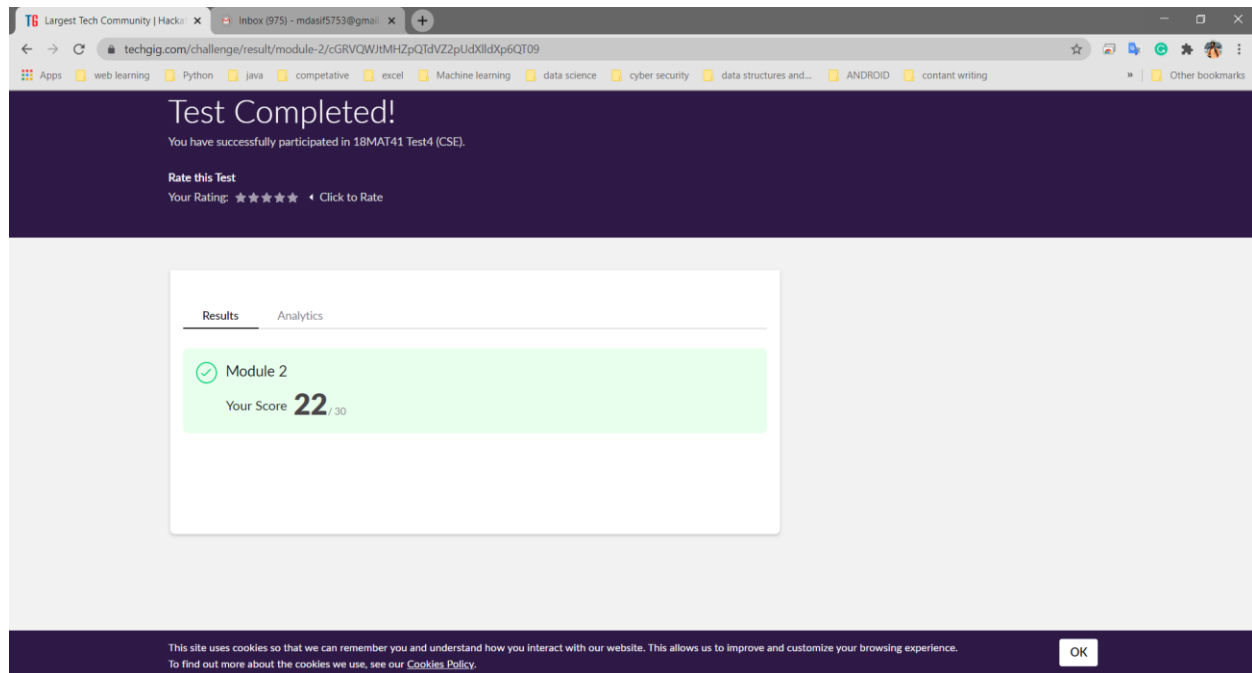


#### 4DAILY ONLINE ACTIVITIES SUMMARY

Date:	08/06/2020	Name:	M MAHAMMAD ASIF
Sem & Sec	4 <sup>th</sup> Sem & 'A' Sec	USN:	4AL18CS045
Online Test Summary			
Subject	Complex Analysis, Probability And Statistical Methods(18mat41)		
Max. Marks	30	Score	22
Certification Course Summary			
Course	The Complete Android App Development Masterclass: Build Apps		
Certificate Provider	Udemy	Duration	29 Hours
Coding Challenges			
Problem Statement: 1. C Program to Generate All the Set Partitions of n Numbers Beginning from 1 and so on. 2. Java Program to check whether the given matrix is magic square or not.			
Status: Completed			
Uploaded the report in Github		Yes	
If yes Repository name		<a href="https://github.com/alvas-education-foundation/M_MAHAMMAD_ASIF">https://github.com/alvas-education-foundation/M_MAHAMMAD_ASIF</a>	
Uploaded the report in slack		Yes	

**Online Test Details:** The subject Complex Analysis, Probability And Statistical Methods(18mat41) test was conducted today on 2<sup>nd</sup> module. The test contains 15 MCQs for 2 marks each. I had Scored 22 out of 30.

**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 was last session of this course. Parallel to that whatever learns 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.

In additional to this daily I’m doing some other online courses aswell, as a proof I uploaded the Certificates in my other repository named “Completed course certificates.”

## Snapshot:

The screenshot shows a Udemy course page for "The Complete Android App Development Masterclass: Build Apps". The main content area displays a code editor with SQL queries and a diagram of a database schema. The right sidebar shows the course content, including a list of lessons under "Section 10: Database". The bottom section is titled "About this course" and describes the course as a guide to creating real-world applications using Java.

**Course content**

Section 10: Database  
5 / 9 | 3hr 34min

- ☒ 90. Basic SQL Commands - Part 1  
22min
- ☒ 91. Basic SQL Commands - Part 2  
19min
- ☒ 92. Basic SQL Commands - Part 3  
22min
- ☒ 93. Basic SQL Commands - Part 4  
25min
- ☒ 94. Basic SQL Commands - Part 5  
21min
- ☐ 95. SQL Commands Challenge  
14min
- ☐ 96. SQLiteOpenHelper - Cursors  
25min
- ☐ 97. Cursors - More Database Operations  
26min
- ☐ 98. SQLite Database Challenge  
40min

**About this course**

Create Real World Applications using Java and Become A Professional Android App Developer From Scratch Today!

Above is the snapshot of Android development course.

**Coding Challenges Details:** The Two problems I had solves by Understanding the Concepts through Online and updated the same in Github Repository. The problem statement is:

1. C Program to Generate All the Set Partitions of n Numbers Beginning from 1 and so on.

## Snapshot:

The screenshot shows a web browser displaying a GitHub repository page. The repository is 'alvas-education-foundation / M\_MAHAMMAD\_ASIF'. The file 'SetPartition.c' is selected, showing its code. The code is in C and includes a header file 'stdio.h'. It defines a struct 't' with fields 'first', 'n', and 'level'. It also defines a function 'print' that takes 'n' and 'a' as arguments and prints the elements of 'a' in a specific format. The code is 69 lines long (61 sloc) and 1.54 KB in size.

```
1 #include <stdio.h>
2
3 typedef struct {
4     int first;
5     int n;
6     int level;
7 } t;
8
9
10 void print(int n, int * a) {
11     int i;
12     for (i = 0; i <= n; i++) {
13         printf("%d", a[i]);
14     }
15     printf("\n");
16 }
17
18 ...
```

## 2. Java Program to check whether the given matrix is magic square or not.

## Snapshot:

The screenshot shows a web browser displaying a GitHub repository page. The repository is 'alvas-education-foundation / M\_MAHAMMAD\_ASIF'. The file 'Magic\_Matrix.java' is selected, showing its code. The code is in Java and includes the 'java.io.\*' package. It defines a class 'Magic\_Matrix' with a static field 'N' set to 3. It also defines a static method 'isMagicSquare' that takes a 2D array 'mat' as input and returns a boolean value. The code is 62 lines long (40 sloc) and 1.27 KB in size.

```
1 import java.io.*;
2
3 class Magic_Matrix {
4
5     static int N = 3;
6
7
8     static boolean isMagicSquare(int mat[][])
9     {
10
11         int sum = 0, sum2 = 0;
12         for (int i = 0; i < N; i++)
13             sum = sum + mat[i][i];
14
15
16         for (int i = 0; i < N; i++)
17             ...
```

