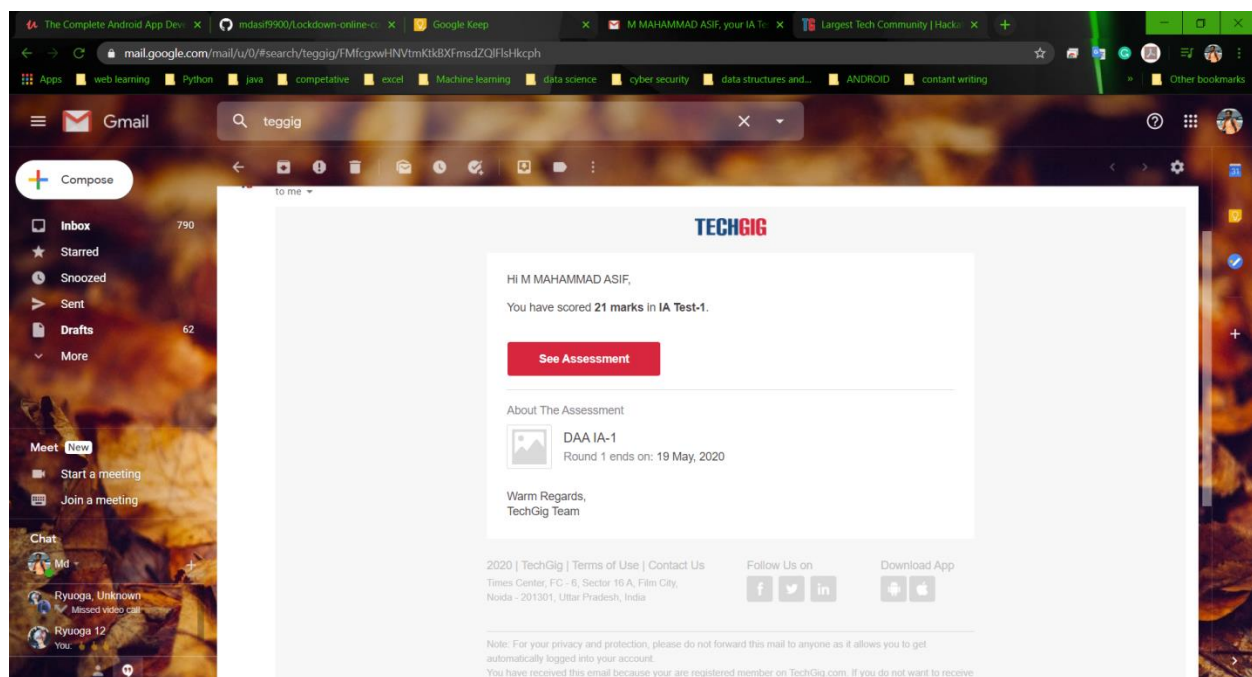


## DAILY ONLINE ACTIVITIES SUMMARY

|  |   |   |                 |
|--|---|---|-----------------|
| Date:  | 19/05/2020  | Name:   | M MAHAMMAD ASIF |
| Sem & Sec  | 4 <sup>th</sup> Sem & 'A' Sec                               | USN:  | 4AL18CS045      |
| <b>Online Test Summary</b>   |   |   |                 |
| Subject  | Design and analysis of algorithm(18CS42)                    |   |                 |
| Max. Marks   | 30  | Score   | 21              |
| <b>Certification Course Summary</b>  |   |   |                 |
| Course   | The Complete Android App Development Masterclass:Build Apps |   |                 |
| Certificate Provider   | Udemy   | Duration  | 29 Hours        |
| <b>Coding Challenges</b>   |   |   |                 |
| <b>Problem Statement: 1. C program find out shortest palindrome.</b><br><b>2. C program to check sub sequence.</b> |   |   |                 |
| <b>Status: Completed</b>   |   |   |                 |
| Uploaded the report in Github  |   | Yes   |                 |
| If yes Repository name   |   | <a href="https://github.com/mdasif9900/Lockdown-online-coding">https://github.com/mdasif9900/Lockdown-online-coding</a> |                 |
| Uploaded the report in slack   |   | Yes   |                 |

**Online Test Details:** The Design and analysis of algorithm(18CS42) 1<sup>st</sup> Internal Assessment was conducted on 1<sup>st</sup> Module. In that I had Scored 21 marks out of 30.

**Snapshot:**



**Certification Course Details:** I have continued the 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 introductory, which was about 1 hour. Parallel to that whatever learn in course I’m practicing in Android Studio.

## Snapshot:

The screenshot shows a Udemy course page for "The Complete Android App Development Masterclass: Build Apps". The main video player displays a Java code snippet for a main method in a class named "Main". The code initializes an array of student names and prints them. A play button is overlaid on the code. Below the code, a text box says "Let's run our application as you can see if you are getting an exception in here." The right sidebar shows the course content, including sections like "5. Create Your First Application - Part 1", "6. Create Your First Application - Part 2", "7. Challenge", "Section 2: Java Core", "8. Variables and Arithmetic Operators", "9. Relational and Logical Operators - Conditional Statements", "10. Loops", "11. Challenge (Create a Game)", "12. Simple Arrays", and "13. Object Oriented Programming - Part 1". The bottom of the page shows "No announcements posted yet".

## Coding Challenges Details: The Two problems I have solved By Understanding the Concepts through Online and updated the same in Github Repository. The two problem statements were:

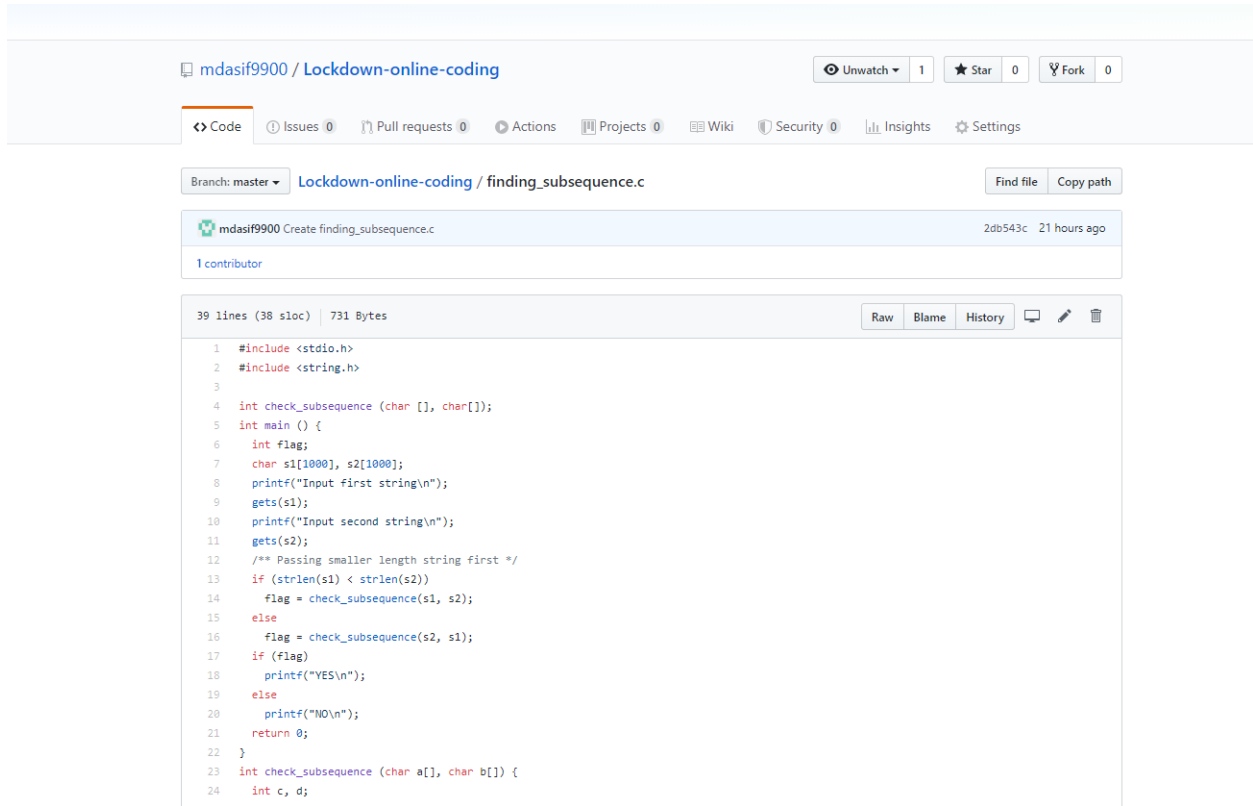
### 1. C program find out shortest palindrome.

## Snapshot:

The screenshot shows a GitHub repository page for "mdasif9900 / Lockdown-online-coding". The page displays the repository name, a "Shortpal.java" file, and its content. The code is a Java program that checks if a string is a palindrome. The code is as follows:

```
1 import java.util.*;
2 import java.io.*;
3 class Shortpal
4 {
5     static boolean ispalindrome(String s)
6     {
7         int l=s.length();
8         for(int i=0,j=l-1;i<j;i++,j--)
9         {
10             if(s.charAt(i)!=s.charAt(j))
11             {
12                 return false;
13             }
14         }
15         return true;
16     }
17     public static void main(String[] args) {
18         Scanner sc = new Scanner(System.in);
19         String s = sc.nextLine();
20         if (ispalindrome(s))
21             System.out.println("Yes");
22         else
23             System.out.println("No");
24     }
25 }
```

## 2. C program to check sub sequence



The screenshot displays a GitHub repository interface. At the top, the repository name 'mdasif9900 / Lockdown-online-coding' is shown, along with statistics: 1 Unwatch, 1 Star, and 0 Fork. Below this, navigation tabs include 'Code', 'Issues 0', 'Pull requests 0', 'Actions', 'Projects 0', 'Wiki', 'Security 0', 'Insights', and 'Settings'. The file 'finding\_subsequence.c' is selected, showing its commit history with the latest commit 'mdasif9900 Create finding\_subsequence.c' from 21 hours ago. The code editor shows the following C program:

```
1 #include <stdio.h>
2 #include <string.h>
3
4 int check_subsequence (char [], char[]);
5 int main () {
6     int flag;
7     char s1[1000], s2[1000];
8     printf("Input first string\n");
9     gets(s1);
10    printf("Input second string\n");
11    gets(s2);
12    /** Passing smaller length string first */
13    if (strlen(s1) < strlen(s2))
14        flag = check_subsequence(s1, s2);
15    else
16        flag = check_subsequence(s2, s1);
17    if (flag)
18        printf("YES\n");
19    else
20        printf("NO\n");
21    return 0;
22 }
23 int check_subsequence (char a[], char b[]) {
24     int c, d;
25     . . .
```

The above is the c program for finding sub sequence.