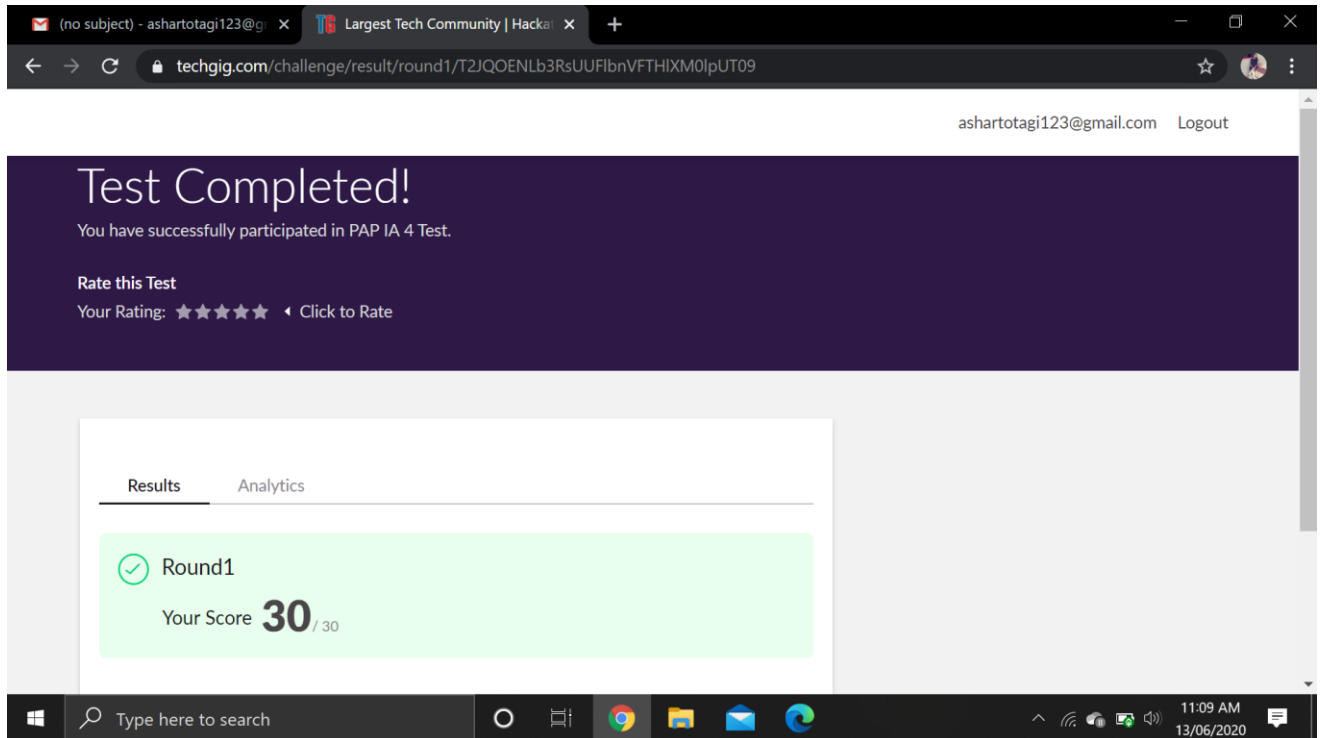


DAILY ONLINE ACTIVITIES SUMMARY

Date:	13 June 2020	Name:	Asha Rudrappa Totagi
Sem& Sec	6 th sem& A sec	USN:	4AL17CS015
Online Test Summary			
Subject	Python Application And Programming		
Max. Marks	30	Score	30
Certification Course Summary			
Course	Ethical Hacking		
Certificate Provider	Udemy	Duration	3 hours
Coding Challenges			
Problem Statement Program 1: Write a Java Program to determine whether a given matrix is a sparse matrix Program 2: Program to find the first non-repeating character in a string			
Status: DONE			
Uploaded the report in Github		YES	
If yes Repository name		Daily Status	
Uploaded the report in slack		YES	

Online Test Details: (Attach the snapshot and briefly write the report for the same)



PAP IA Test 4 was held today i.e, 13 June 2020. Out of 30 marks I scored 30.

Certification Course Details: (Attach the snapshot and briefly write the report for the same)

The screenshot displays the Udemy course page for "Learn Ethical Hacking By Hacking Real Websites Legally". The course is presented in a dark-themed interface. The main content area features several mission cards, including "Damn Telemarketers!", "ToxiCo Industrial Chemicals", and "What's Right For America". Each card provides a brief description of the mission and a difficulty rating. The right sidebar shows the "Course content" list, which includes 18 missions, with the first five being "Realistic" missions. The bottom of the page shows the Windows taskbar with the time 7:48 PM on 13/06/2020.

Course Content:

- 14. Realistic 1 (HTML Select options exploit) - 5min
- 15. Realistic 2 (SQL Injection Attack to bypass login forms) - 10min
- 16. Realistic 3 (PHP Write Vulnerability) - 10min
- 17. Realistic 4 (SQL Injection Attack to hack email lists) - 13min
- 18. Realistic 5 (Directory Traversal Exploit to hack admin password) - 5min

About this course

DAY3 (13-06-2020) – Realistic Missions.

Coding Challenges Details: (Attach the snapshot and briefly write the report for the same)

Program 1:

```
import java.util.Scanner;
public class Sparse
{
    public static void main(String args[])
    {
        int i, j, zero = 0, count = 0;
        int array[][] = new int[10][10];
        System.out.println("Enter total rows and columns: ");
        Scanner s = new Scanner(System.in);
        int row = s.nextInt();
        int column = s.nextInt();
        System.out.println("Enter matrix:");
        for(i = 0; i < row; i++)
        {
            for(j = 0; j < column; j++)
            {
                array[i][j] = s.nextInt();
                System.out.print(" ");
            }
        }
        for(i = 0; i < row; i++)
        {
            for(j = 0; j < column; j++)
            {
                if(array[i][j] == 0)
                {
                    zero++;
                }
                else
                {
                    count++;
                }
            }
        }
        if(zero > count)
        {
            System.out.println("the matrix is sparse matrix");
        }
        else
        {
            System.out.println("the matrix is not a sparse matrix");
        }
    }
}
```

Program 2:

```
#include<stdlib.h>
#include<stdio.h>
#define NO_OF_CHARS 256

int *get_char_count(char *str)
{
    int *count = (int *)calloc(sizeof(int), NO_OF_CHARS);
    int i;
    for (i = 0; *(str+i); i++)
        count[*(str+i)]++;
    return count;
}

int first_non_repeating_character(char *str)
{
    int *count = get_char_count(str);
    int index = -1, i;

    for (i = 0; *(str+i); i++)
    {
        if (count[*(str+i)] == 1)
        {
            index = i;
            break;
        }
    }

    free(count);
    return index;
}

int main()
{
    char str[NO_OF_CHARS];
    printf("\nEnter the string : ");
    scanf("%s",&str);
    int index = first_non_repeating_character(str);
```

```
if (index == -1)
    printf("All the characters are repetitive");
else
    printf("First non-repeating character is %c", str[index]);
getchar();
return 0;
}
```