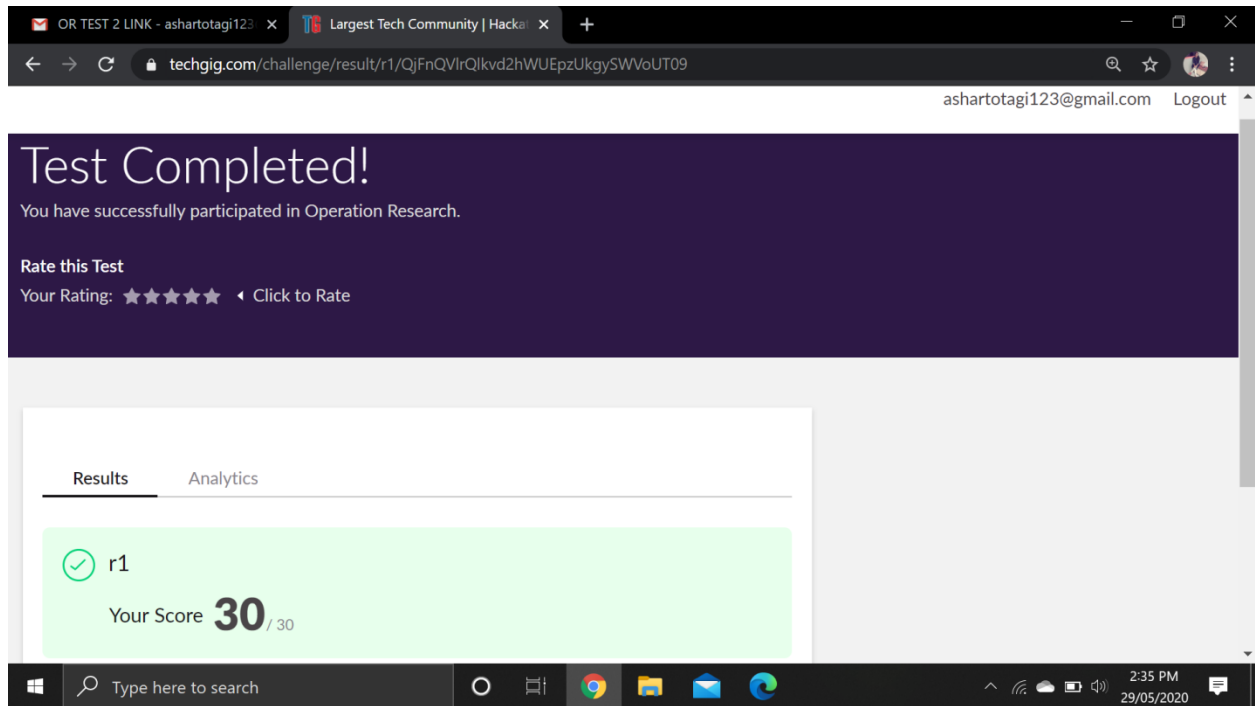


DAILY ONLINE ACTIVITIES SUMMARY

Date:	29 May 2020		Name:	Asha Rudrappa Totagi	
Sem& Sec	6 th sem& A sec		USN:	4AL17CS015	
Online Test Summary					
Subject	Operating Research				
Max. Marks	30		Score	30	
Certification Course Summary					
Course	Career Edge – Knockdown the Lockdown				
Certificate Provider	TCSiON		Duration	15 days	
Coding Challenges					
<p>Problem Statement</p> <p>Program 1: write a c program to solve a system of linear congruences by applying the Chinese Remainder Theorem.</p> <p>Program 2: Write a Java Program to find longest substring without repeating characters in a string.</p> <p>Program 3: Write a Java Program to check whether the given number is Armstrong number or not.</p>					
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)



OR IA2 test was held today i.e, 29 May 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 TCS iON Digital Learning platform interface. The top navigation bar includes the TCS iON logo and the text 'Digital Learning Empowering Learning Outcomes'. The user's name 'Asha' is visible in the top right corner. The main content area shows the 'Career Edge - Knockdown the Lockdown : Batch 01' course. The left sidebar contains a 'TABLE OF CONTENTS' with a list of topics, including 'DAY 4: Gain Guidance from Career Gurus', 'DAY 5: Write a Winning Resume and Cover Letter', and 'DAY 6: Stay Ahead'. The main content area displays the details for the assessment 'Prepare a Strong Resume and Cover Letter'. The assessment summary shows a total mark of 10.0, a pass mark of 4.0, and 01 attempt taken. The duration is 10 minutes, and the start time is 23 May 2020 12:00 AM. The assessment was completed on 28 May 2020 07:44 PM, with a duration of 0:6:43 Hrs (07:51 PM). The marks obtained are 7.0/10.0, and the status is 'Pass'. The user can view the assessment analysis at the end of the assessment. The bottom of the screen shows the Windows taskbar with the search bar and various application icons.

Attempted On	Attempted Duration (Submission Time)	Marks Obtained	Status	Action
28 May 2020 07:44 PM	0:6:43 Hrs(07:51 PM)	7.0/10.0	Pass	View Result

DAY4 (29-05-2020) – Gain Guidance from Career Gurus, Introduction To Write a Winning Resume and Cover Letter.

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

Program 1:

```
#include <stdio.h>
int mul_inv(int a, int b)
{
    int b0 = b, t, q;
    int x0 = 0, x1 = 1;
    if (b == 1) return 1;
    while (a > 1) {
        q = a / b;
        t = b, b = a % b, a = t;
        t = x0, x0 = x1 - q * x0, x1 = t;
    }
    if (x1 < 0) x1 += b0;
    return x1;
}
int chinese_remainder(int *n, int *a, int len)
{
    int p, i, prod = 1, sum = 0;
    for (i = 0; i < len; i++) prod *= n[i];
    for (i = 0; i < len; i++) {
        p = prod / n[i];
        sum += a[i] * mul_inv(p, n[i]) * p;
    }
    return sum % prod;
}
int main(void)
{
    int n[] = { 3, 5, 7 };
    int a[] = { 2, 3, 2 };
    printf("d\n", chinese_remainder(n, a, sizeof(n)/sizeof(n[0]));
    return 0;
}
```

Program 2:

```
import java.util.LinkedHashMap;
```

```

public class Main
{
    static void longestSubstring(String inputString)
    {
        char[] charArray = inputString.toCharArray();
        String longestSubstring = null;
        int longestSubstringLength = 0;
        LinkedHashMap<Character, Integer> charPosMap = new
LinkedHashMap<Character, Integer>();
        for (int i = 0; i < charArray.length; i++)
        {
            char ch = charArray[i];
            if(!charPosMap.containsKey(ch))
            {
                charPosMap.put(ch, i);
            }
            else
            {
                i = charPosMap.get(ch);
                charPosMap.clear();
            }

            if(charPosMap.size() > longestSubstringLength)
            {
                longestSubstringLength = charPosMap.size();

                longestSubstring = charPosMap.keySet().toString();
            }
        }

        System.out.println("Input String : "+inputString);
        System.out.println("The longest substring : "+longestSubstring);
        System.out.println("The longest Substring Length : "+longestSubstringLength);
    }

    public static void main(String[] args)
    {
        longestSubstring("javaconceptoftheday");
    }
}

```

Program 3:

```

public class Main {

```

```
public static void main(String[] args) {  
  
    int num = 370, number, temp, total = 0;  
  
    number = num;  
    while (number != 0)  
    {  
        temp = number % 10;  
        total = total + temp*temp*temp;  
        number /= 10;  
    }  
    if(total == num)  
        System.out.println(num + " is an Armstrong number");  
    else  
        System.out.println(num + " is not an Armstrong number");  
}  
}
```