

DAILY ONLINE ACTIVITIES SUMMARY

Date:	10/06/2020	Name:	Pramod R
Sem & Sec	4 th sem B section	USN:	4AL18CS059
Online Test Summary			
Subject	Object Oriented Concepts		
Max. Marks	30	Score	20
Certification Course Summary			
Course	Blockchain Basics		
Certificate Provider	Coursera	Duration	4 weeks
Coding Challenges			
Problem Statement: Java Program to find the longest repeating sequence in a string			
Status: Completed			
Uploaded the report in Github		YES	
If yes Repository name		https://github.com/alvas-education-foundation/Pramod_R	
Uploaded the report in slack		YES	

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

The screenshot displays the TechGig OOC Test 4 interface. At the top, there's a header with a 'Logout' button. Below it, a banner for 'Challenge Over by TechGig OOC Test 4' is visible. The main content area is divided into two columns. The left column, titled 'MCQ', shows 'Your Highest Score: 20' and 'Max Score: 30'. It includes a 'Question Summary' stating the objective is to screen students on domain proficiency, with a 'Start Test' button. The right column, titled 'Summary', lists 'Skills: Multi Threading' and 'Ends On: 10 Jun'. Below these, a 'Details' tab is selected, showing 'Rules' for the assessment. The rules include: 1. One attempt only, best score counts. 2. No negative marking. 3. 30-minute duration. 4. Session can resume if it expires before completion. The Windows taskbar at the bottom shows the date as 10-06-2020 and time as 17:45.

Logout

Challenge Over
by TechGig
OOC Test 4

MCQ
Your Highest Score: 20 | Max Score: 30
Question Summary: The objective of this round is to screen students on the basis of their domain proficiency
Start Test

Summary
Skills: Multi Threading
Ends On: 10 Jun

Details | Winners | FAQs | My Submission

Rules

- Any participant can attempt the assessment only 1 times, Only your best score counts!!
- There will be no negative marking.
- Time duration is 30 minutes.
- In case your session expires before finishing the test, you can re-take the test. Your test will resume from where you left off, and the total time will reduce by the duration of your previous attempt.

Object Oriented Concepts internals was conducted. A total of 15 questions were there in which all the 15 of them were Multiple Choice Questions.

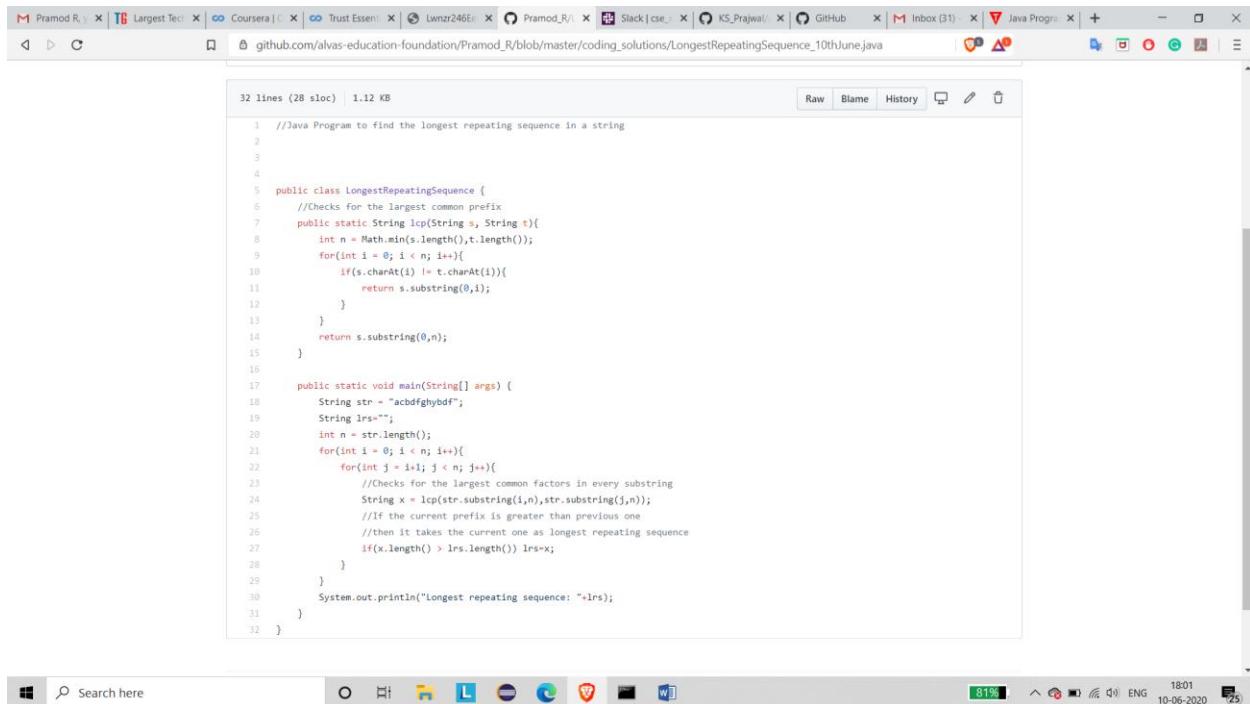
The above snapshot is the result sheet which was mailed to us by the Techgig team

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

The screenshot displays the Coursera interface for the 'Trust Essentials - Week 4' quiz. The browser's address bar shows the URL: coursera.org/learn/blockchain-basics/exam/BMFdN/trust-essentials-week-4. The Coursera logo and a search bar are at the top. The sidebar on the left lists course sections: Robustness, Forks, Week 4 Evaluation: Trust Essentials (selected), Final Course Project, and Blockchain Basics: Key Takeaways. The main content area features the title 'Trust Essentials - Week 4' and a 'QUIZ • 30 MIN' label. It includes a 'Submit your assignment' button, a 'Receive grade' section showing a 'Grade 100%' and a 'View Feedback' button. The bottom taskbar shows the Windows search bar and various application icons.

The course I have chosen during the lockdown period is Blockchain basics. Since I had previously knew few topics about bitcoin I am continuing this course. Since Blockchain is gaining a lot interest in the IT Sector I have preferred to choose this course.

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



The screenshot shows a web browser window with multiple tabs open. The active tab is a GitHub repository page for the file `LongestRepeatingSequence_10thJune.java`. The code is displayed in a light-themed editor with line numbers from 1 to 32. The code is a Java program that finds the longest repeating sequence in a string. It includes a helper method `lcp` for finding the longest common prefix and a `main` method that tests the logic with the string "achdfghyddf".

```
1 //Java Program to find the longest repeating sequence in a string
2
3
4
5 public class longestRepeatingSequence {
6     //Checks for the largest common prefix
7     public static String lcp(String s, String t){
8         int n = Math.min(s.length(), t.length());
9         for(int i = 0; i < n; i++){
10             if(s.charAt(i) != t.charAt(i)){
11                 return s.substring(0, i);
12             }
13         }
14         return s.substring(0, n);
15     }
16
17     public static void main(String[] args) {
18         String str = "achdfghyddf";
19         String lrs = "";
20         int n = str.length();
21         for(int i = 0; i < n; i++){
22             for(int j = i+1; j < n; j++){
23                 //Checks for the largest common factors in every substring
24                 String x = lcp(str.substring(i, n), str.substring(j, n));
25                 //If the current prefix is greater than previous one
26                 //then it takes the current one as longest repeating sequence
27                 if(x.length() > lrs.length()) lrs = x;
28             }
29         }
30         System.out.println("Longest repeating sequence: "+lrs);
31     }
32 }
```

The question I took to code is:

Java Program to find the longest repeating sequence in a string

Solution: The above snapshot is the code which I have uploaded in my Github repository