DAILY ONLINE ACTIVITIES SUMMARY

Date:	**10/06/2020**	**Name:**	**Pramod R**
Sem & Sec	**4th sem B section**	**USN:**	**4AL18CS059**

Online Test Summary

Subject	**Object Oriented Concepts**		
Max. Marks	**30**	**Score**	**20**

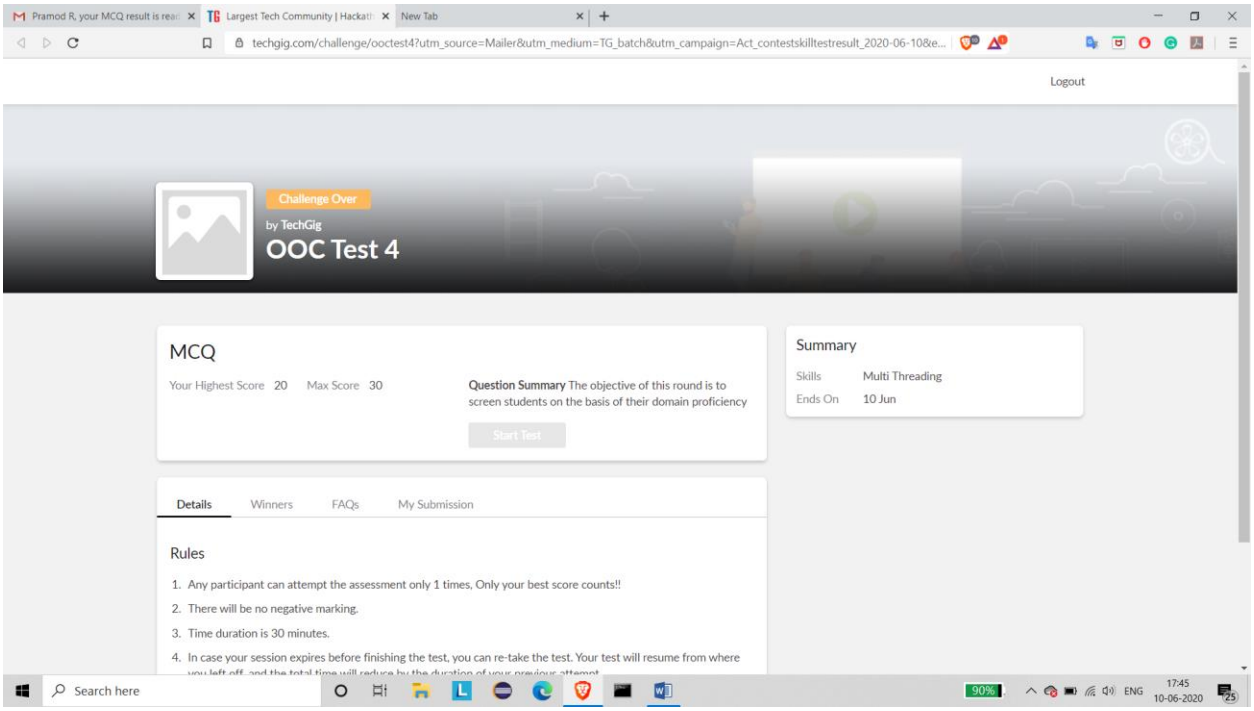
Certification Course Summary

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**

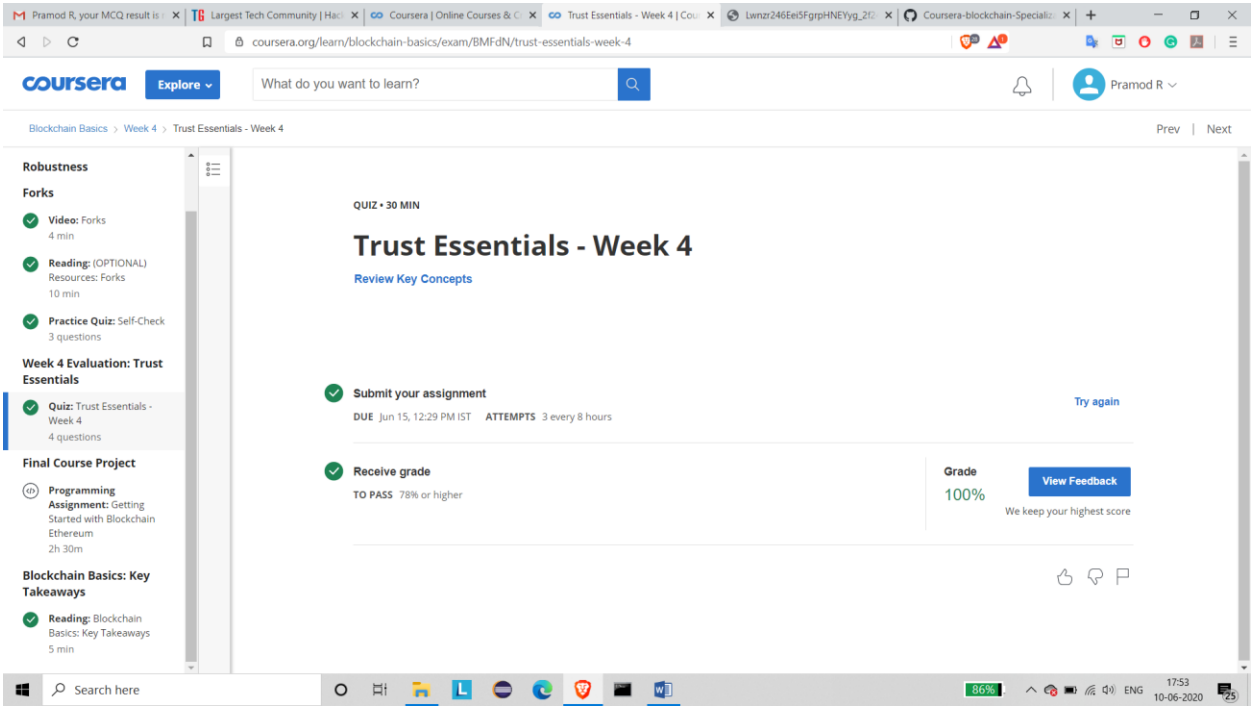
Online Test Details: (Attach the snapshot and briefly write the report for the same)



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

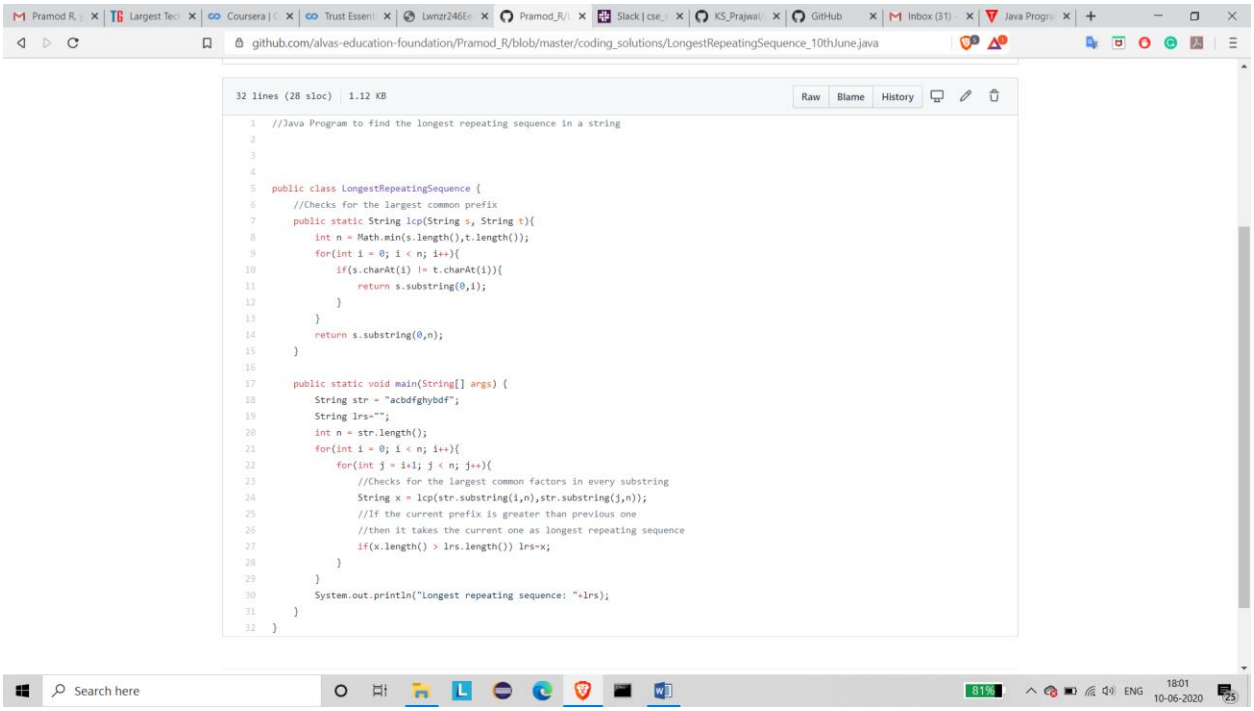
The above snapshot is the result sheet which was mailed to us by the Techgig team

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



The 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)



github.com/alvas-education-foundation/Pramod_R/blob/master/coding_solutions/LongestRepeatingSequence_10thJune.java

32 lines (28 sloc) | 1.12 KB — Raw | Blame | History

```java
//Java Program to find the longest repeating sequence in a string



public class LongestRepeatingSequence {
    //Checks for the largest common prefix
    public static String lcp(String s, String t){
        int n = Math.min(s.length(),t.length());
        for(int i = 0; i < n; i++){
            if(s.charAt(i) != t.charAt(i)){
                return s.substring(0,i);
            }
        }
        return s.substring(0,n);
    }

    public static void main(String[] args) {
        String str = "acbdfghybdf";
        String lrs="";
        int n = str.length();
        for(int i = 0; i < n; i++){
            for(int j = i+1; j < n; j++){
                //Checks for the largest common factors in every substring
                String x = lcp(str.substring(i,n),str.substring(j,n));
                //If the current prefix is greater than previous one
                //then it takes the current one as longest repeating sequence
                if(x.length() > lrs.length()) lrs=x;
            }
        }
        System.out.println("Longest repeating sequence: "+lrs);
    }
}
```

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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