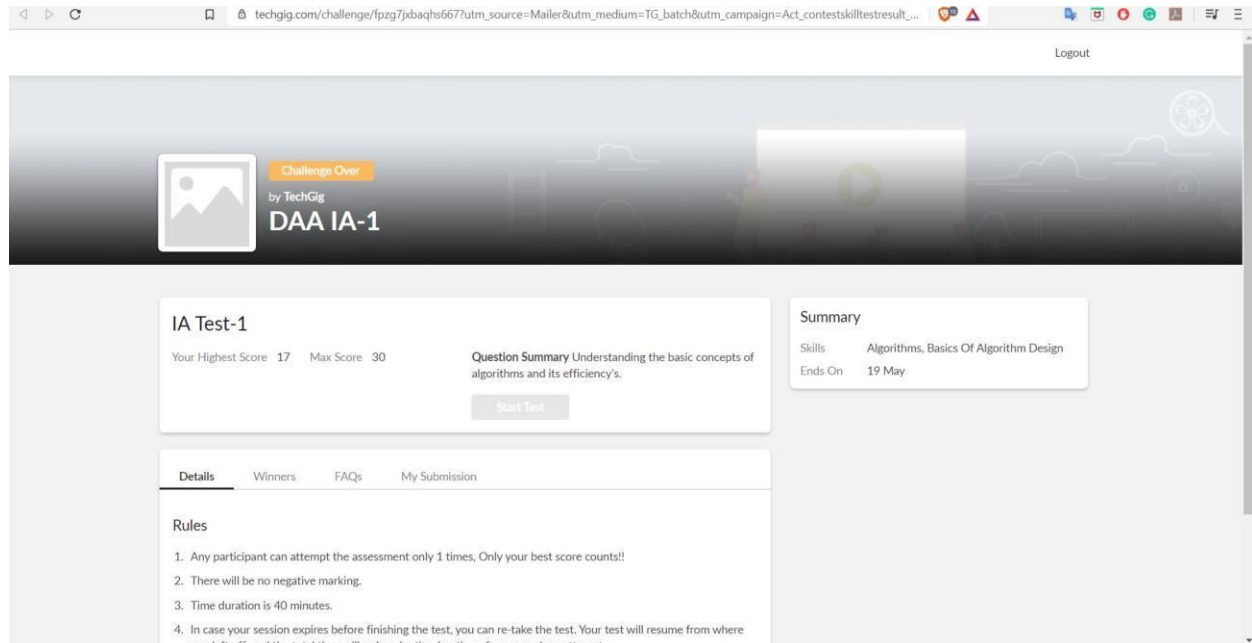


## DAILY ONLINE ACTIVITIES SUMMARY

<b>Date:</b>	19/05/2020	<b>Name:</b>	Pramod R
<b>Sem &amp; Sec</b>	4 <sup>th</sup> Sem B Section	<b>USN:</b>	4AL18CS059
<b>Online Test Summary</b>			
<b>Subject</b>	Design Analysis and Algorithm		
<b>Max. Marks</b>	30	<b>Score</b>	17
<b>Certification Course Summary</b>			
<b>Course</b>	Blockchain Basics		
<b>Certificate Provider</b>	Coursera	<b>Duration</b>	4 Weeks
<b>Coding Challenges</b>			
<p><b>Problem Statement:</b> Q.A user will input two strings, and we find if one of the strings is a sub sequence of the other. Program prints “yes” if either the first string is a sub sequence of the second string or the second string is a sub sequence of the first string. Assume that, the length of the first string is smaller than or equal to the length of the second string.</p> <p><b>An expected output of the program:</b>  Input the first string tree  Input the second string  Computer science is awesome  YES  Ans: ?</p>			
<b>Status : Completed</b> <sup>Assu</sup>			
<b>Uploaded the report in Github</b>		YES	
<b>If yes Repository name</b>		<a href="https://github.com/alvas-education-foundation/Pramod_R">https://github.com/alvas-education-foundation/Pramod_R</a>	

Uploaded the report in slack	YES
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### Online Test Details: (Attach the snapshot and briefly write the report for the same)



**Design and Analysis of Algorithm Internals was conducted. A total of 25 questions were there in which 20 of them were Multiple Choice Questions and 5 of them were problem based 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)

courseera Explore

What do you want to learn?

Blockchain Basics > Week 1 > Basic Operations

Blockchain Structure

- Video: Blockchain Structure: 5 min
- Reading: (OPTIONAL) Resources: Blockchain Structure: 12 min
- Practice Quiz: Self-Check 4 questions


Basic Operations

- Video: Basic Operations 4 min
- Reading: (OPTIONAL) Resources: Basic Operations: 10 min
- Practice Quiz: Self-Check 3 questions

Beyond Bitcoin

Week 1 Evaluation: Blockchain Defined

### Basic Operations



- Verify transactions
- Broadcast transactions
- Compete to create a block
- Reach consensus by validating block

work on reaching consensus by validating the block,

Save Note Discuss Download

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 same)**

```
83 lines (49 sloc) | 1.23 KB
Raw Blame History

1  /* Q.A user will input two strings, and we find if one of the strings is a sub sequence of the other. Program prints "yes" if either the fi
2  Assume that, the length of the first string is smaller than or equal to the length of the second string.
3  An expected output of the program:
4  Input the first string
5  tree
6  Input the second string
7  Computer science is awesome
8  YES
9  Ans:
10 */
11
12
13 #include <stdio.h>
14
15 #include <string.h>
16
17 int check_subsequence (char [], char []);
18
19 int main ()
20 {
21
22     int flag;
23
24     char s1[1000], s2[1000];
25
26     printf("Input first string\n");
27
28     gets(s1);
29
30     printf("Input second string\n");
31
32     gets(s2);
33
34     /** Passing smaller length string first */
35
36
37     else
38
39     printf("NO\n");
40
41     return 0;
42 }
43
44 int check_subsequence (char a[], char b[]) {
45     int c, d;
46
47     c = d = 0;
48
49     while (a[c] != '\0') {
50         while ((a[c] != b[d]) && b[d] != '\0') {
51             d++;
52         }
53         if (b[d] == '\0')
54             break;
55         d++;
56         c++;
57     }
58     if (a[c] == '\0')
59         return 1;
60     else
61         return 0;
62 }
```

The question I took to code is:

**Problem Statement:** Q.A user will input two strings, and we find if one of the strings is a sub sequence of the other. Program prints “yes” if either the first string is a sub sequence of the second string or the second string is a sub sequence of the first string.

Assume that, the length of the first string is smaller than or equal to the length of the second string.

An expected output of the program:

Input the first string tree

Input the second string

**Computer science is awesome**

**YES Ans:**

**?**

**Code: The above snapshot is the code which I have uploaded in my Github repository.**