DAILY ONLINE ACTIVITIES SUMMARY

Date:	**19/05/2020**	**Name:**	**Pramod R**
Sem & Sec	**4th Sem B Section**	**USN:**	**4AL18CS059**

Online Test Summary

Subject	**Design Analysis and Algorithm**		
Max. Marks	**30**	**Score**	**17**

Certification Course Summary

Course	**Blockchain Basics**		
Certificate Provider	**Coursera**	**Duration**	**4 Weeks**

Coding Challenges

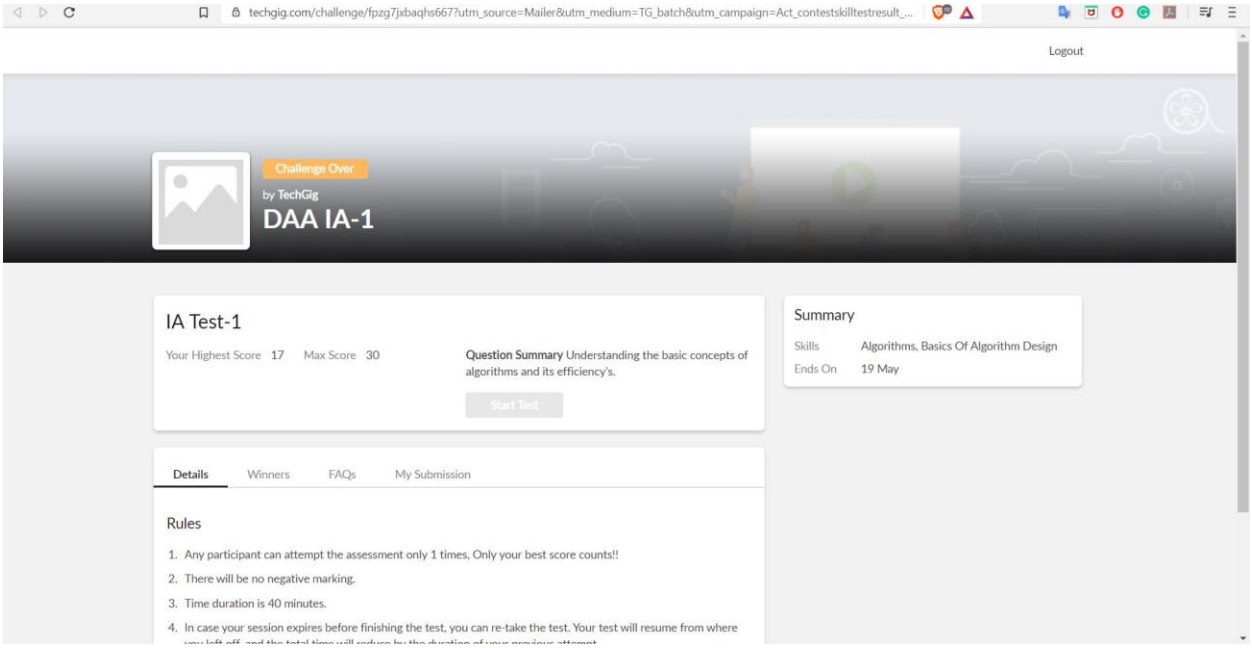
Problem Statement: Q.A user will input two strings, and we find if one of the strings is a sub sequence of the other. Program prints "yes" if either the first string is a sub sequence of the second string or the second string is a sub sequence of the first string.
Assume that, the length of the first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

Status: Completed

Uploaded the report in Github	**YES**
If yes Repository name	https://github.com/pramod19ananya/QuarantineCoding

Uploaded the report in slack	**YES**

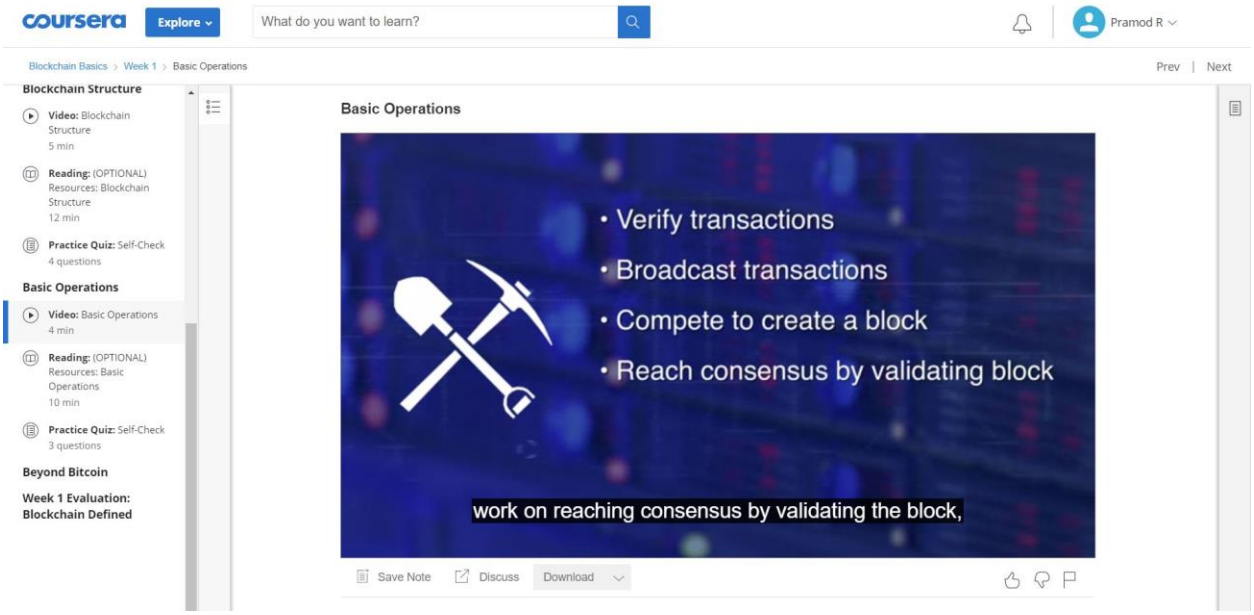
Online Test Details: (Attach the snapshot and briefly write the report for the same)



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.

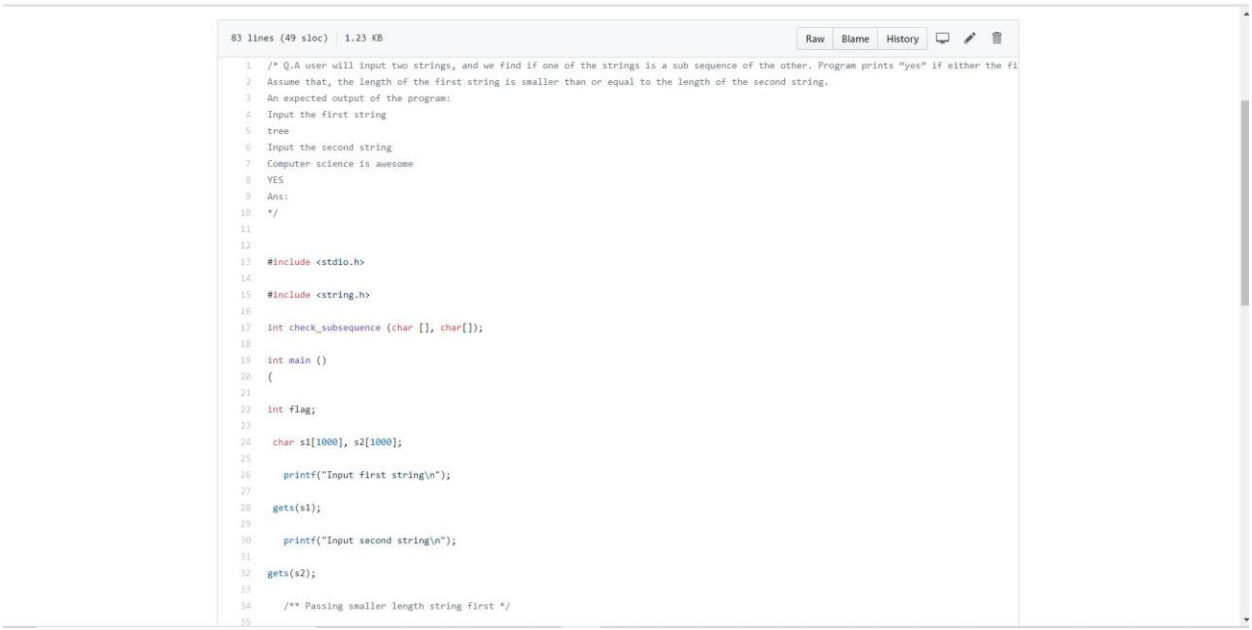
The above snapshot is the result sheet which was mailed to us by the Techgig team.

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



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

```
/* 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
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:
*/


#include <stdio.h>

#include <string.h>

int check_subsequence (char [], char[]);

int main ()
{

int flag;

 char s1[1000], s2[1000];

   printf("Input first string\n");

 gets(s1);

   printf("Input second string\n");

gets(s2);

   /** Passing smaller length string first */
```

github.com/pramod19ananya/QuarantineCoding/blob/master/19thMay2020_Subsequence.c

```
   else

 printf("NO\n");

   return 0;
}

int check_subsequence (char a[], char b[]) {
   int c, d;

   c = d = 0;

   while (a[c] != '\0') {
      while ((a[c] != b[d]) && b[d] != '\0') {
         d++;
      }

if (b[d] == '\0')

break;

 d++;

c++;

   }

if (a[c] == '\0')

  return 1;

else

 return 0;

}
```

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
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YES
Ans: ?

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