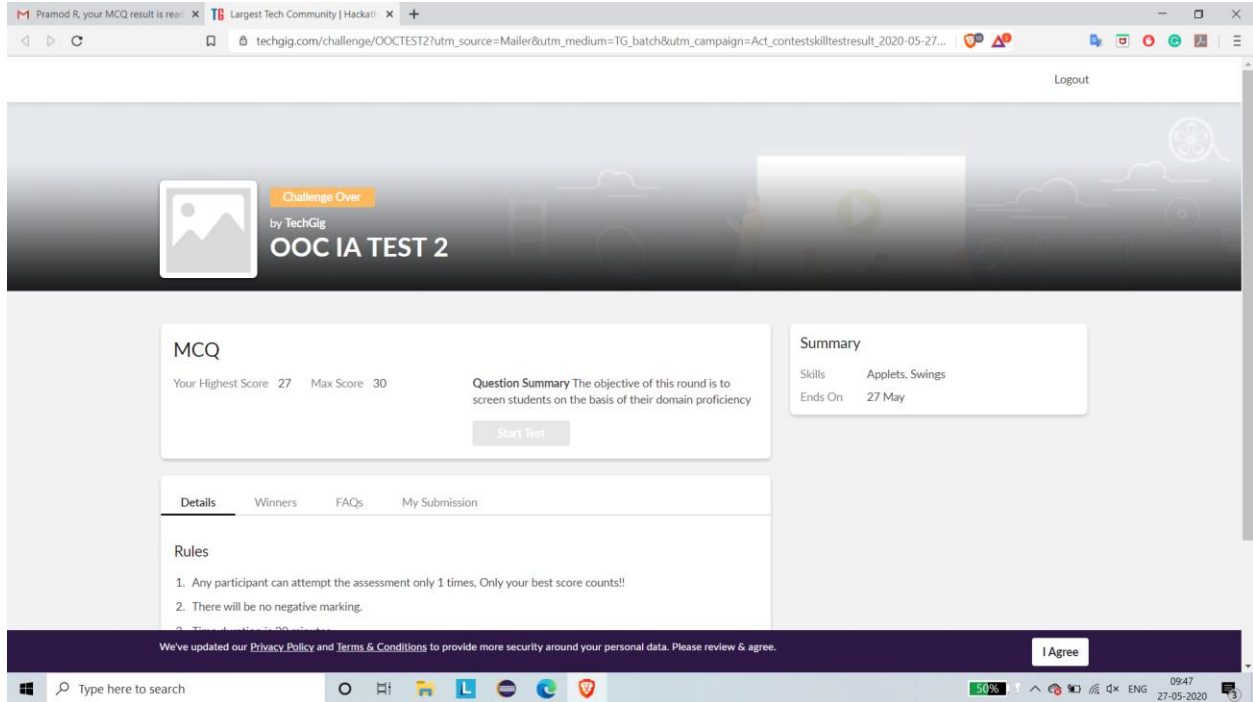


DAILY ONLINE ACTIVITIES SUMMARY

Date:	27/05/2020	Name:	Pramod R
Sem & Sec	4 th sem B section	USN:	4AL18CS059
Online Test Summary			
Subject	Object Oriented Concepts		
Max. Marks	30	Score	27
Certification Course Summary			
Course	Blockchain Basics		
Certificate Provider	Coursera	Duration	4 weeks
Coding Challenges			
Problem Statement: Input: Enter the Input String: abcd Expected Result: The permutations of the string are : abcd abdc acbd acdb adcb adbc bacd badc bcad bcda bdca bdac cbad cbda cabd cadb cdab cdba dbca dbac dcba dcab dacb dabc			
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	

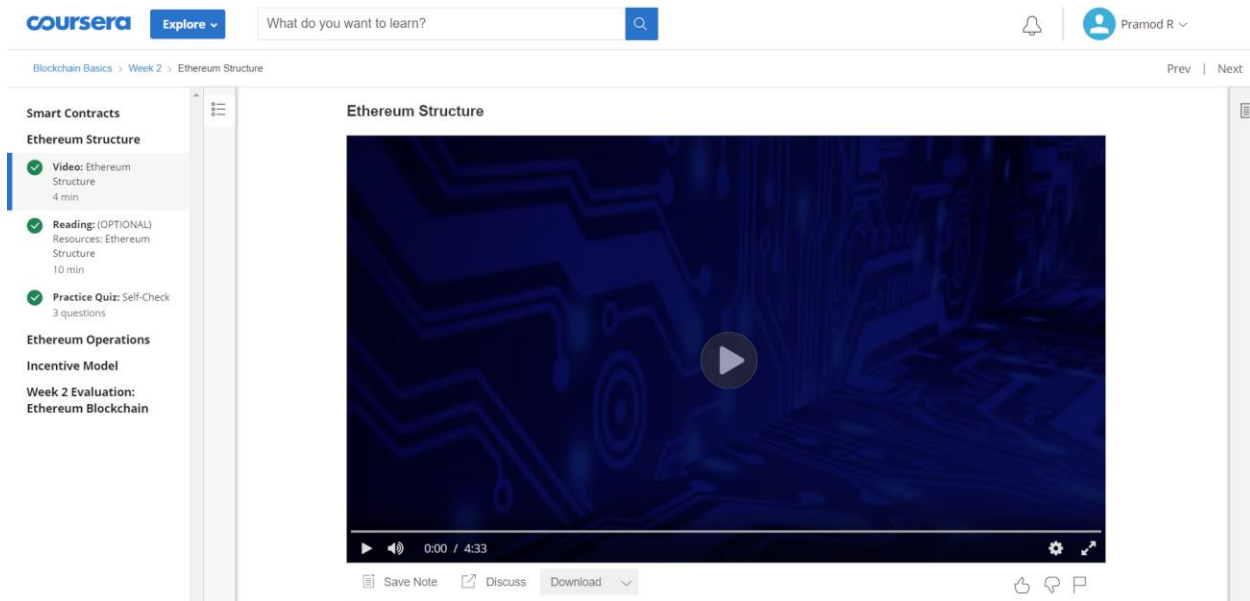
Online Test Details: (Attach the snapshot and briefly write the report for the same)



Object Oriented Concepts internals was conducted. A total of 30 questions were there in which all the 30 of them were Multiple Choice Questions.

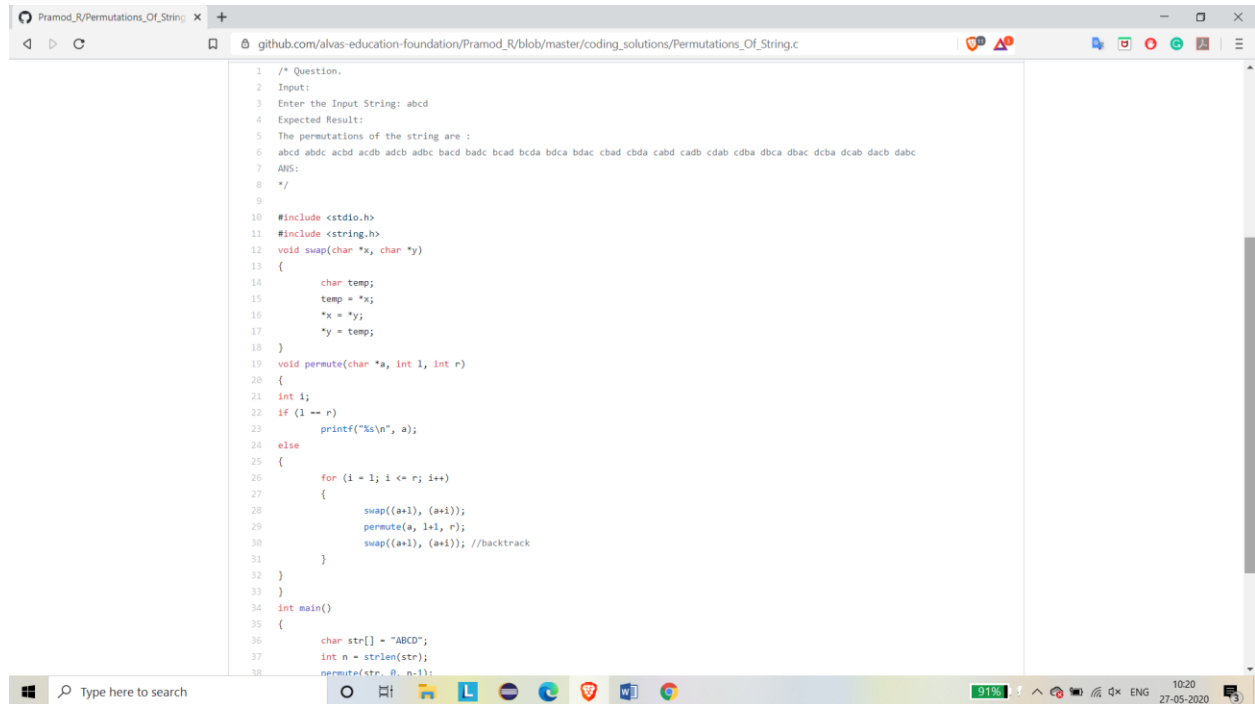
The above snapshot is the result sheet which was mailed to us by the Techgig team

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



The screenshot shows a web browser window with a single tab titled 'Pramod_R/Permutations_Of_String'. The address bar displays the URL 'github.com/alvas-education-foundation/Pramod_R/blob/master/coding_solutions/Permutations_Of_String.c'. The main content area shows a C program for generating permutations of a string. The code includes comments for the problem statement and a list of expected permutations. The program uses a recursive function 'permute' with a swap-and-backtrack approach to generate all possible permutations of the input string 'ABCD'. The Windows taskbar at the bottom shows the search bar, several application icons, and system tray information including 91% battery, network status, and the date/time '10:20 27-05-2020'.

```
1  /* Question.
2  Input:
3  Enter the Input String: abcd
4  Expected Result:
5  The permutations of the string are :
6  abcd abdc acbd acdb adcb adbc bacd badc bcad bcda bdca bdac cbad cbda
7  cabd cadb cdab cdba dbca dbac dcba dcab dacb dabc
8  ANS:
9  */
10 #include <stdio.h>
11 #include <string.h>
12 void swap(char *x, char *y)
13 {
14     char temp;
15     temp = *x;
16     *x = *y;
17     *y = temp;
18 }
19 void permute(char *a, int l, int r)
20 {
21     int i;
22     if (l == r)
23         printf("%s\n", a);
24     else
25     {
26         for (i = l; i <= r; i++)
27         {
28             swap((a+l), (a+i));
29             permute(a, l+1, r);
30             swap((a+l), (a+i)); //backtrack
31         }
32     }
33 }
34 int main()
35 {
36     char str[] = "ABCD";
37     int n = strlen(str);
38     permute(str, 0, n-1);
39 }
```

The question I took to code is:

Input:

Enter the Input String: abcd

Expected Result:

The permutations of the string are :

abcd abdc acbd acdb adcb adbc bacd badc bcad bcda bdca bdac cbad cbda
cabd cadb cdab cdba dbca dbac dcba dcab dacb dabc

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