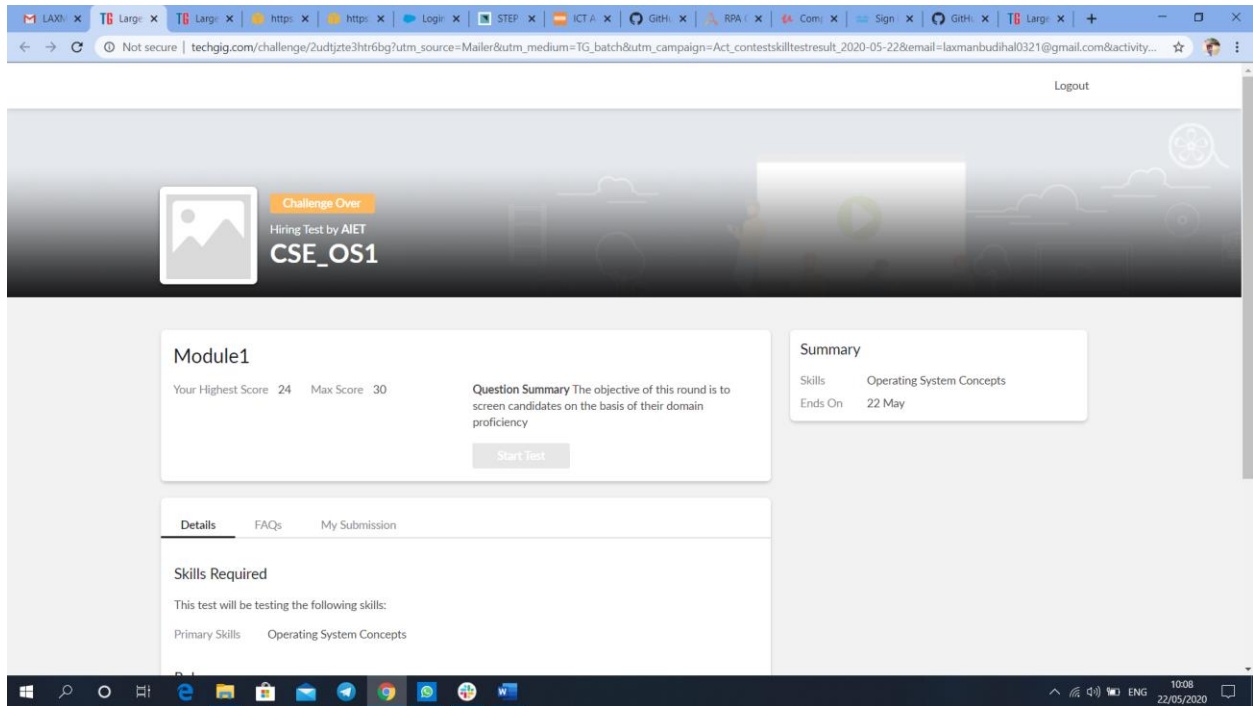


DAILY ONLINE ACTIVITIES SUMMARY

Date:	22/05/2020	Name:	Laxman Pundalik Budihal
Sem & Sec	4 rd sem (A sec)	USN:	4AL18CS043
Online Test Summary			
Subject	OS		
Max. Marks	30	Score	24
Certification Course Summary			
Course	Introduction to Cybersecurity		
Certificate Provider	CISCO	Duration	30 hours
Coding Challenges			
Problem Statement: Write a C program to implement single linked list			
Status: Completed			
Uploaded the report in Github		YES	
If yes Repository name		https://github.com/alvas-education-foundation/Laxman_Budihal	
Uploaded the report in slack		YES	

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



OS Internals was conducted. A total of 30 questions were there in which 30 of them were Multiple Choice Questions.

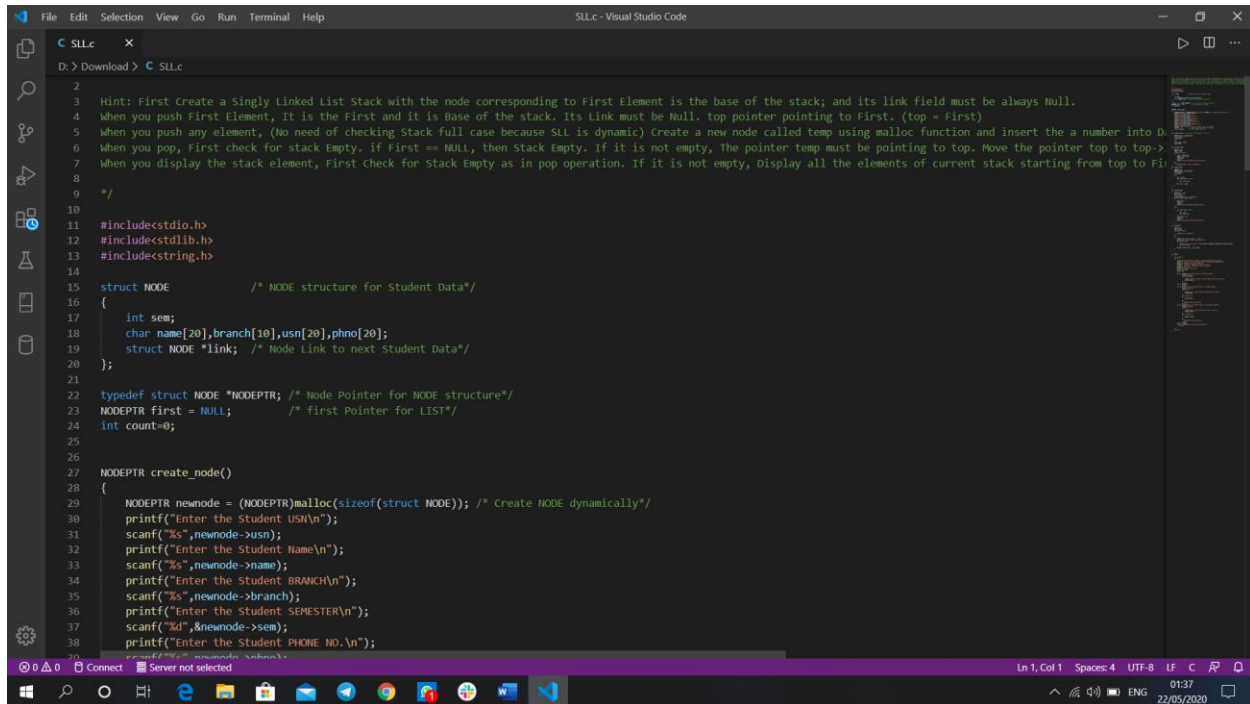
The above snapshot is the result sheet which was mailed to us by the Techgig team.

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

The screenshot displays a web browser window with the URL `static-course-assets.s3.amazonaws.com/CyberSec2.1/en/index.html#2.1.4.2`. The page is titled "Introduction to Cybersecurity" and features the Cisco Academy logo in the top right corner. A navigation bar at the top lists various course sections: Chapter 2 (Attacks, Concepts and Techniques), 2.1 (Analyzing a Cyberattack), 2.1.4 (Methods of Infiltration), and 2.1.4.2 (Wi-Fi Password Cracking). The main content area is titled "Wi-Fi Password Cracking" and contains a diagram illustrating the process of cracking Wi-Fi passwords. The diagram shows a central padlock icon connected to various network-related icons (laptop, Wi-Fi symbol, smartphone, and server) and a large block of code on the left. To the right of the diagram, there is a text box explaining the process of Wi-Fi password cracking, including definitions of social engineering and brute-force attacks. The bottom of the page features a navigation bar with icons for Recent Pages, Bookmarks, Course Index, Search, Languages, Select Background, Help, and Return to Class. The Windows taskbar is visible at the bottom of the screen, showing the date and time as 03:44 on 22/05/2020.

The today's topic is analysing a Cyberattacks in this we know about types of Malware, symptoms, and what is social engineering.

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



```
2
3 Hint: First Create a Singly Linked List Stack with the node corresponding to First Element is the base of the stack, and its link field must be always Null.
4 When you push First Element, It is the first and it is Base of the stack. Its link must be Null. top pointer pointing to First. (top = first)
5 When you push any element, (No need of checking Stack full case because SLL is dynamic) Create a new node called temp using malloc function and insert the a number into D.
6 When you pop, First check for stack Empty. If First == NULL, then Stack Empty. If it is not empty, The pointer temp must be pointing to top. Move the pointer top to top->
7 When you display the stack element, First check for Stack Empty as in pop operation. If it is not empty, Display all the elements of current stack starting from top to Fi
8
9 */
10
11 #include<stdio.h>
12 #include<stdlib.h>
13 #include<string.h>
14
15 struct NODE          /* NODE structure for Student Data*/
16 {
17     int sem;
18     char name[20],branch[10],usn[20],phno[20];
19     struct NODE *link; /* Node Link to next Student Data*/
20 };
21
22 typedef struct NODE *NODEPTR; /* Node Pointer for NODE structure*/
23 NODEPTR first = NULL;      /* first Pointer for LIST*/
24 int count=0;
25
26
27 NODEPTR create_node()
28 {
29     NODEPTR newnode = (NODEPTR)malloc(sizeof(struct NODE)); /* Create NODE dynamically*/
30     printf("Enter the Student USN\n");
31     scanf("%s",newnode->usn);
32     printf("Enter the Student Name\n");
33     scanf("%s",newnode->name);
34     printf("Enter the Student BRANCH\n");
35     scanf("%s",newnode->branch);
36     printf("Enter the Student SEMESTER\n");
37     scanf("%d",&newnode->sem);
38     printf("Enter the Student PHONE NO.\n");
39     scanf("%s",newnode->phno);
40 }
```

The question I took to code is:

Write a C program to implement Single linked list