

DAILY ONLINE ACTIVITIES SUMMARY

Date:	30/05/2020	Name:	Pramod R
Sem & Sec	4 th sem B section	USN:	4AL18CS059
Online Test Summary			
Subject	Data Communication		
Max. Marks	30	Score	27
Certification Course Summary			
Course	Blockchain Basics		
Certificate Provider	Coursera	Duration	4 weeks
Coding Challenges			
Problem Statement: C program to find digital root of a number Description: A digital root is the recursive sum of all the digits in a number. Given n, take the sum of the digits of n. If that value has more than one digit, continue reducing in this way until a single-digit number is produced. This is only applicable to the natural numbers. digit_root(0)= 0 digital_root(16) => 1 + 6 => 7 digital_root(132189) => 1 + 3 + 2 + 1 + 8 + 9 => 24 ... => 2 + 4 => 6			
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)

Logout

Challenge Over
by TechGig
DC-IA2-18CS46

DC-MCQ
Your Highest Score 27 Max Score 30

Question Summary The objective of this round is to screen students on the basis of their domain proficiency

Summary
Skills Data Communication
Ends On 30 May

Details Winners FAQs My Submission

1. Test should be taken in Full Screen only. Any attempt to exit from full screen will submit the test automatically.
2. Students who are taking up test in mobile, make sure you will not pick any call during the test or click on any updates. Mobile screen should not get disabled, so increase the screen timeout.
3. Login to your account before taking up the test
4. Answers and Questions both will be shuffled.
5. Don't use multiple login.

Waiting for accounts.google.com... date the Chrome

Type here to search

100% 10:00 30-05-2020

Data Communication 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 screenshot shows a web browser window displaying a Coursera course page. The browser's address bar shows the URL: coursera.org/learn/blockchain-basics/supplement/1w5XU/required-quiz-resources-and-directions-ethereum-blockchain-week-2. The Coursera logo and a search bar are at the top. The page title is "Blockchain Basics > Week 2 > REQUIRED Quiz Resources and Directions: Ethereum E". The main content area is titled "Week 2 - Ethereum Blockchain" and "Quiz Resources". It includes a paragraph about the resources provided to assist with quiz questions, a link to "Etherscan" as a resource, and a section titled "Quiz Directions" with a task "Task 1: Exploring a Block in the Ethereum Blockchain (Q1-Q2)". A sidebar on the left lists course components: "Ethereum Operations", "Incentive Model" (with video, reading, and practice quiz), and "Week 2 Evaluation: Ethereum Blockchain" (with reading and quiz). The Windows taskbar at the bottom shows the date as 30-05-2020 and time as 10:03.

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)

The question I took to code is:

C program to find digital root of a number

Description:

A digital root is the recursive sum of all the digits in a number. Given n , take the sum of the digits of n . If that value has more than one digit, continue reducing in this way until a single-digit number is produced. This is only applicable to the natural numbers.

$\text{digit_root}(0) = 0$

$\text{digital_root}(16)$

$\Rightarrow 1 + 6$

$\Rightarrow 7$

$\text{digital_root}(132189)$

$\Rightarrow 1 + 3 + 2 + 1 + 8 + 9$

$\Rightarrow 24 \dots$

$\Rightarrow 2 + 4$

$\Rightarrow 6$

The screenshot shows a web browser window with the address bar displaying the URL: `github.com/alvas-education-foundation/Pramod_R/blob/master/coding_solutions/GenericRootOfNumber_30thMay.c`. The browser tabs include "Pramod_R, your DC-MCQ result is", "Largest Tech Community | Hacka...", "Pramod_R/GenericRootOfNumber", and "Downloads". The main content area displays a C program for finding the generic root of a number. The code includes comments showing the steps for the number 132189: `digital_root(132189)`, `=> 1 + 3 + 2 + 1 + 8 + 9`, `=> 24 ...`, `=> 2 + 4`, and `=> 6`. The code defines a function `digital_root` and a `main` function that prompts the user to enter a number and calculates its generic root using a loop and modulo operation. The Windows taskbar at the bottom shows the search bar, task view, and several application icons, along with system tray icons for battery, network, and volume, and the date/time 10:14 30-05-2020.

```
8  //> 7
9  digital_root(132189)
10 => 1 + 3 + 2 + 1 + 8 + 9
11 => 24 ...
12 => 2 + 4
13 => 6
14 */
15
16
17 #include <stdio.h>
18 int main()
19 {
20     int num, sum, rem;
21     printf("Please Enter any number - ");
22     scanf("%d", &num);
23     while(num >= 10)
24     {
25         for (sum=0; num > 0; num= num/10)
26         {
27             rem = num % 10;
28             sum=sum + rem;
29         }
30         if(sum >= 10)
31         {
32             num = sum;
33         }
34         else
35         {
36             printf("Generic Root of Given num = %d", sum);
37             break;
38         }
39     }
40     return 0;
41 }
```

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