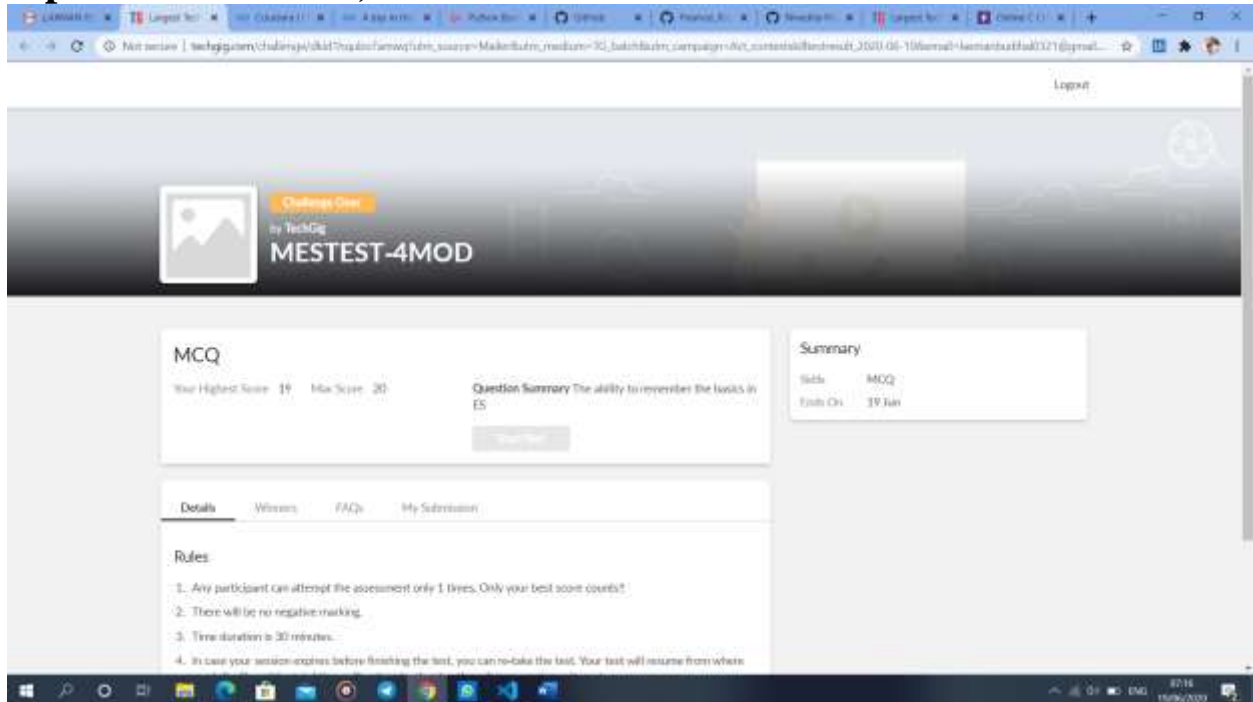


DAILY ONLINE ACTIVITIES SUMMARY

Date:	19/06/2020		Name:	Laxman Pundalik Budihal	
Sem & Sec	4 rd sem (A sec)		USN:	4AL18CS043	
Online Test Summary					
Subject	MES				
Max. Marks	20		Score	19	
Certification Course Summary					
Course	Fundamentals of Data Science				
Certificate Provider	Coursera		Duration	15 hours	
Coding Challenges					
Problem Statement: Write a C Program to Count total set bits in all numbers from 1 to n					
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		

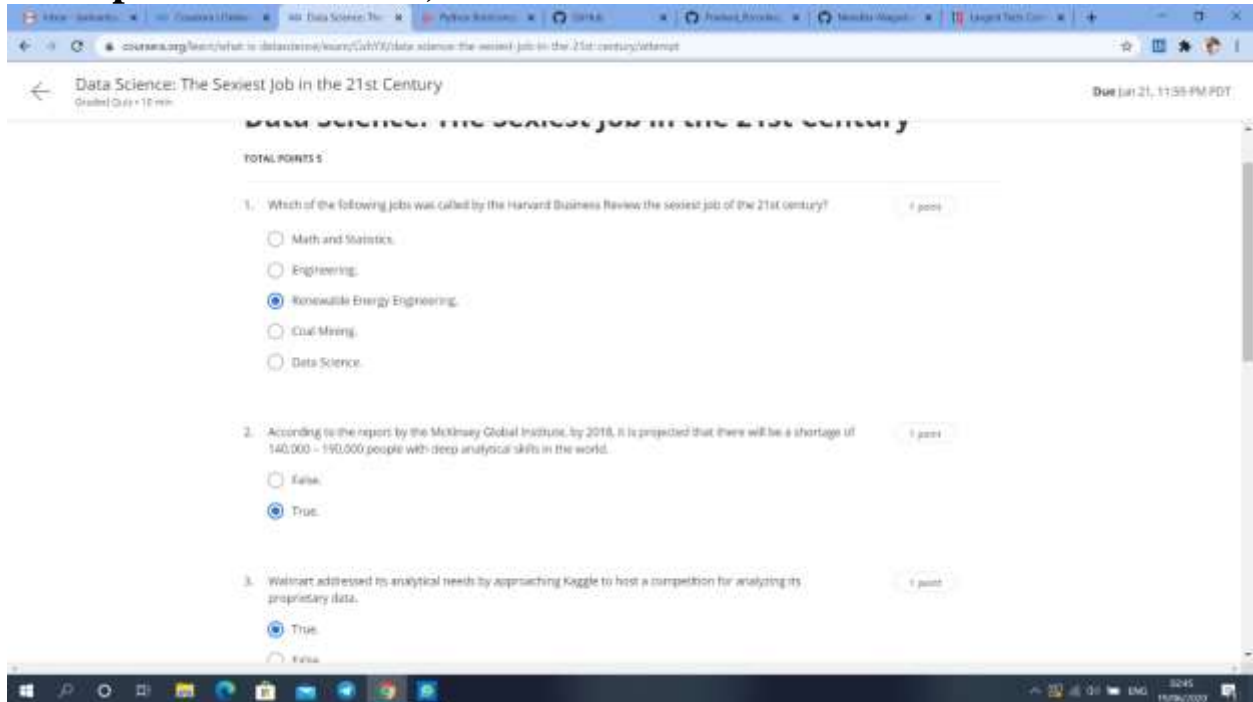
Online Test Details: (Attach the snapshot and briefly write the report for the same)



MES Internals was conducted. A total of 20 questions were there in which 20 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 with the Coursera website. The page title is "Data Science: The Sexiest Job in the 21st Century" and it indicates a grade of "Grade: Quiz + 10 min". The quiz is titled "Data Science: The Sexiest Job in the 21st Century" and has a total of 5 points. It contains three multiple-choice questions. The first question asks which job was called the sexiest by the Harvard Business Review, with "Renewable Energy Engineering" selected. The second question asks if a shortage of 140,000 to 190,000 people with deep analytical skills is projected by 2018, with "True" selected. The third question asks if Walmart approached Kaggle for a competition, with "True" selected. The browser's taskbar at the bottom shows various application icons and the system clock at 11:59 AM on 11/19/2017.

← Data Science: The Sexiest Job in the 21st Century
Grade: Quiz + 10 min

Due Jan 21, 11:59 PM PDT

Data Science: The Sexiest Job in the 21st Century

TOTAL POINTS 5

1. Which of the following jobs was called by the Harvard Business Review the sexiest job of the 21st century? 1 point

- ☐ Math and Statistics.
- ☐ Engineering.
- ☒ Renewable Energy Engineering.
- ☐ Coal Mining.
- ☐ Data Science.

2. According to the report by the McKinsey Global Institute, by 2018, it is projected that there will be a shortage of 140,000 – 190,000 people with deep analytical skills in the world. 1 point

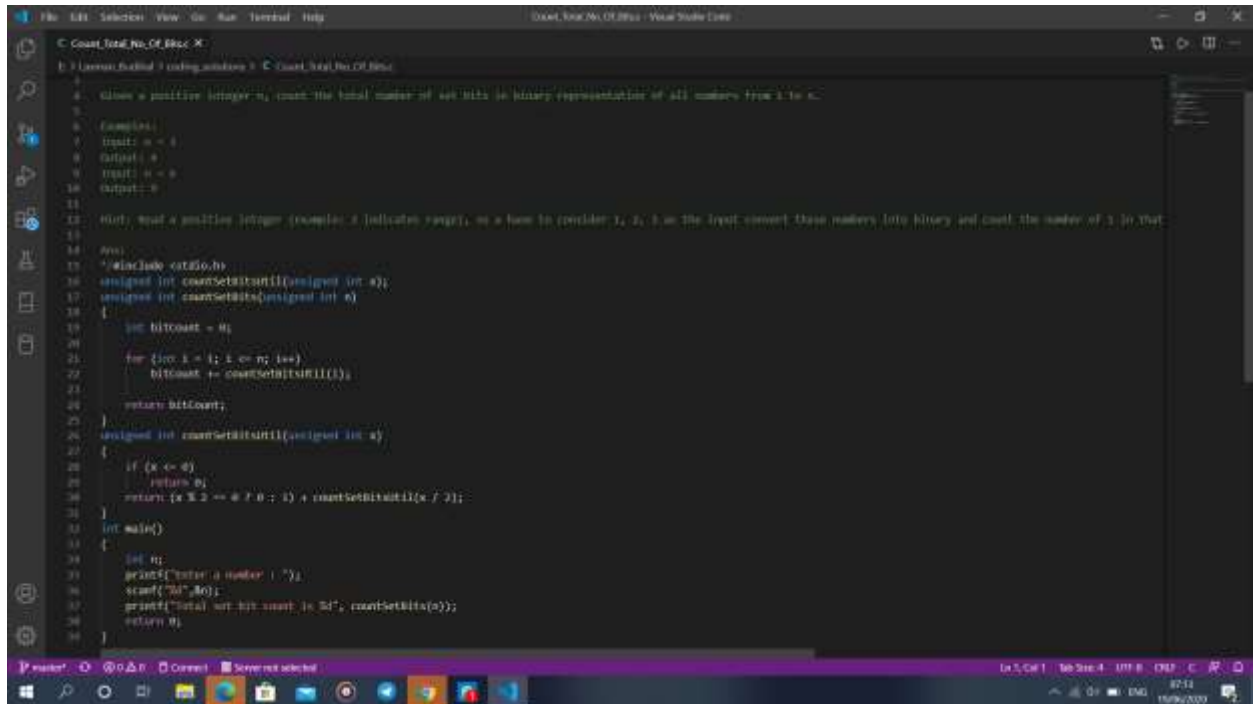
- ☐ False.
- ☒ True.

3. Walmart addressed its analytical needs by approaching Kaggle to host a competition for analyzing its proprietary data. 1 point

- ☒ True.
- ☐ False.

The today's topic is about Fundamentals of data science

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



```
1 // Given a positive integer n, count the total number of set bits in binary representation of all numbers from 1 to n.
2
3 // Examples:
4 // Input: n = 4
5 // Output: 8
6 // Input: n = 5
7 // Output: 10
8
9 // Hint: read a positive integer (example: 5 indicates range), as a loop to consider 1, 2, 3 as the input convert these numbers into binary and count the number of 1 in that.
10
11 // Ans:
12 #include <stdio.h>
13 unsigned int countSetBitsUtil(unsigned int n);
14 unsigned int countSetBits(unsigned int n)
15 {
16     int bitCount = 0;
17     for (int i = 1; i <= n; i++)
18         bitCount += countSetBitsUtil(i);
19     return bitCount;
20 }
21 unsigned int countSetBitsUtil(unsigned int n)
22 {
23     if (n <= 0)
24         return 0;
25     return (n & 2 == 0 ? 0 : 1) + countSetBitsUtil(n / 2);
26 }
27 int main()
28 {
29     int n;
30     printf("Enter a number : ");
31     scanf("%d", &n);
32     printf("Total set bit count is %d", countSetBits(n));
33     return 0;
34 }
```

The question I took to code is: Write a C Program to Count total set bits in all numbers from 1 to n