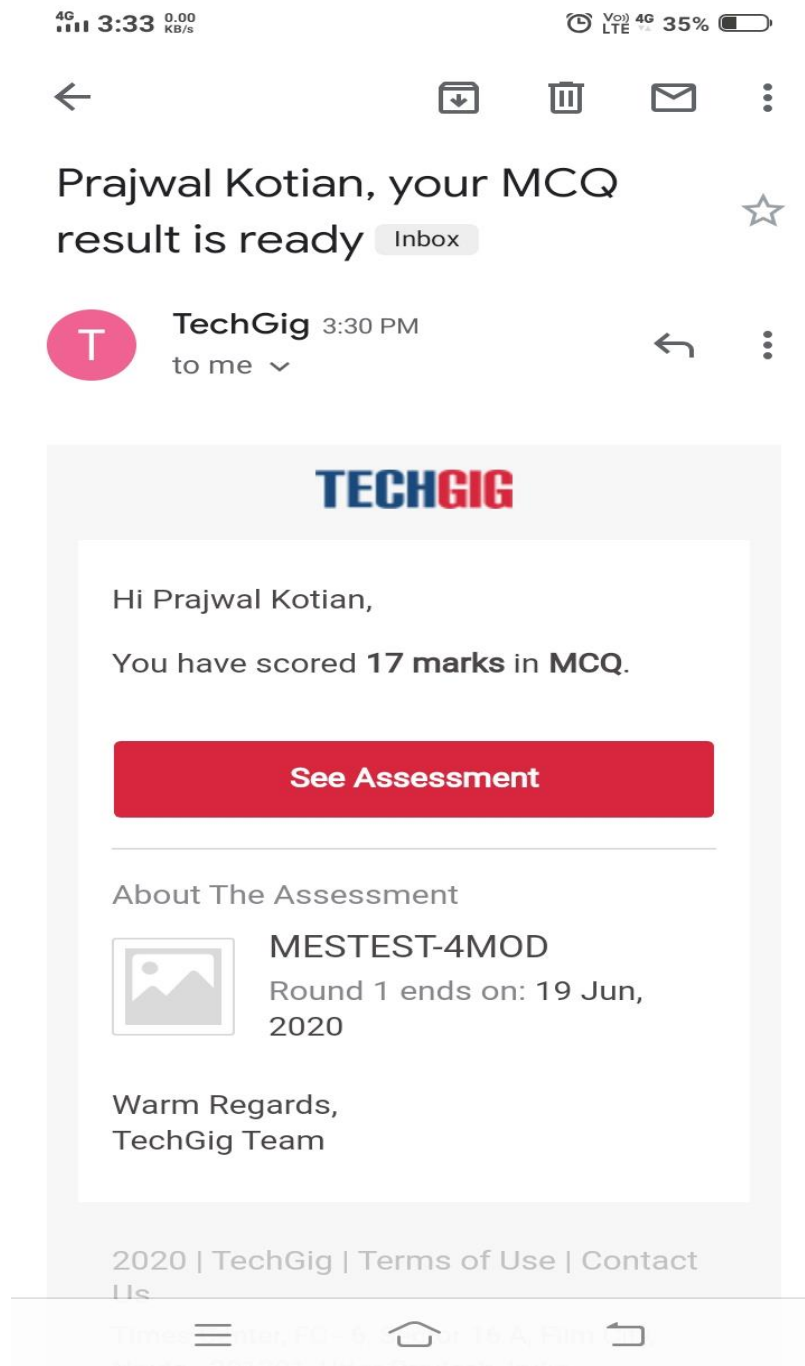


DAILY ONLINE ACTIVITIES SUMMARY

Date:	19/06/2020	Name:	Prajwal
Sem & Sec	IV sem & B sec	USN:	4AL18CS057
Online Test Summary			
Subject	Microcontrollers And Embedded System		
Max. Marks	20	Score	17
Certification Course Summary			
Course	Python For Data Science		
Certificate Provider	COGNITIVE CLASS	Duration	12 hours
Coding Challenges			
Problem Statement: 1. Write a C program to count total set bits in all numbers from 1 to n.			
Status: Done			
Uploaded the report in Github		YES	
If yes Repository name		https://github.com/PRAJWALKOTIAN/lockdown-coding	
Uploaded the report in slack		YES	

Online test details

Test was conducted from 03:00 to 03:30 am dated 19 June 2020. The test includes MCQ kind of questions which contains 20 questions of 1 mark each.




Certification Course Details

The course I have chosen is python for data science in this I studied some basic string operations.

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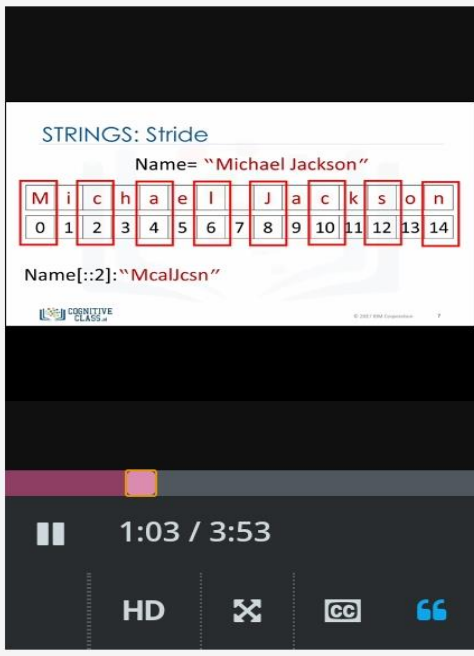
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String Operations (3:53)

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String Operations (3:53)



sequence and perform sequence operations.

We can also input a stride value as follows. The 2 indicates we select every second variable.

We can also incorporate slicing. In this case. we

Video
[Download video file](#)

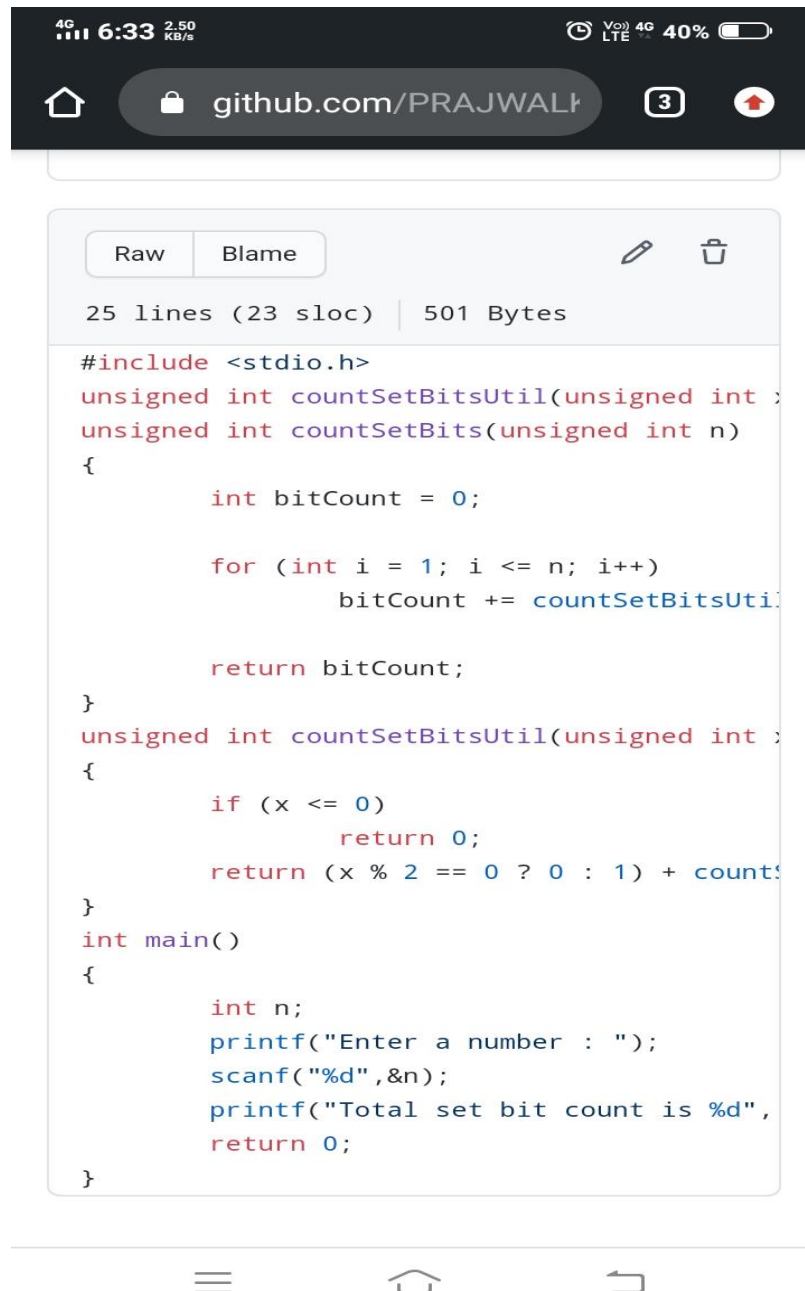
Transcripts

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Coding Challenges Details

The bellow given codes are there on my github repository
<https://github.com/PRAJWALKOTIAN/lockdown-coding>

1. Write a C program to count total set bits in all numbers from 1 to n.



The screenshot shows a mobile browser interface with a dark theme. The address bar displays 'github.com/PRAJWALKOTIAN/lockdown-coding'. Below the address bar, there are tabs for 'Raw' and 'Blame', and icons for editing and deleting. The code is displayed in a light blue box with syntax highlighting. The code is a C program that counts the total number of set bits in all numbers from 1 to n. The code is as follows:

```
#include <stdio.h>
unsigned int countSetBitsUtil(unsigned int x)
{
    if (x <= 0)
        return 0;
    return (x % 2 == 0 ? 0 : 1) + countSetBitsUtil(x / 2);
}
unsigned int countSetBits(unsigned int n)
{
    int bitCount = 0;
    for (int i = 1; i <= n; i++)
        bitCount += countSetBitsUtil(i);
    return bitCount;
}
int main()
{
    int n;
    printf("Enter a number : ");
    scanf("%d",&n);
    printf("Total set bit count is %d", countSetBits(n));
    return 0;
}
```