

## **DAILY ONLINE ACTIVITIES SUMMARY**

<b>Date:</b>	18/05/2020	<b>Name:</b>	Prajwal
<b>Sem &amp; Sec</b>	IV sem & B sec	<b>USN:</b>	4AL18CS057
<b>Online Test Summary</b>			
<b>Subject</b>	Complex Analysis, Probability And Statistical Methods		
<b>Max. Marks</b>	30	<b>Score</b>	---
<b>Certification Course Summary</b>			
<b>Course</b>	Machine Learning With Python		
<b>Certificate Provider</b>	COGNITIVE CLASS	<b>Duration</b>	12 hours
<b>Coding Challenges</b>			
<b>Problem Statement:</b> 1. Write a C program to check whether the two strings are Anagram or not . 2. Using methods charAt() & length() of String class, write a java program to print the frequency of each character in a string. "Hello friend"			
<b>Status: Done</b>			
<b>Uploaded the report in Github</b>		YES	
<b>If yes Repository name</b>		<a href="https://github.com/PRAJWALKOTIAN/lockdown-coding">https://github.com/PRAJWALKOTIAN/lockdown-coding</a>	
<b>Uploaded the report in slack</b>		YES	

### **Online test details**

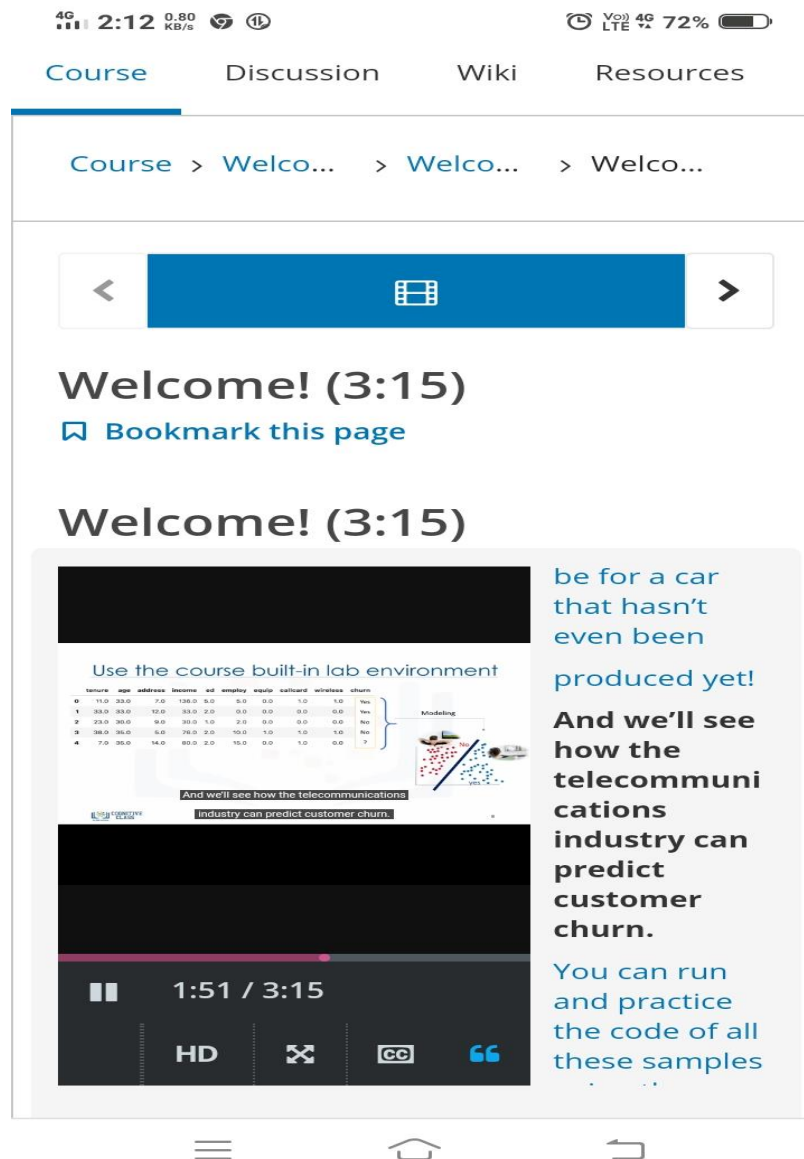
Test was conducted from 9:30 to 10:00 am dated 18 may 2020. The test includes MCQ kind of questions

For Complex Analysis, Probability And Statistical Methods,

No snapshot is attached because marks was not given for this subject.

## Certification Course Details

The course I have chosen is MACHINE LEARNING WITH PYTHON in this at first I studied basics of python and what are the important modules covered in this course.

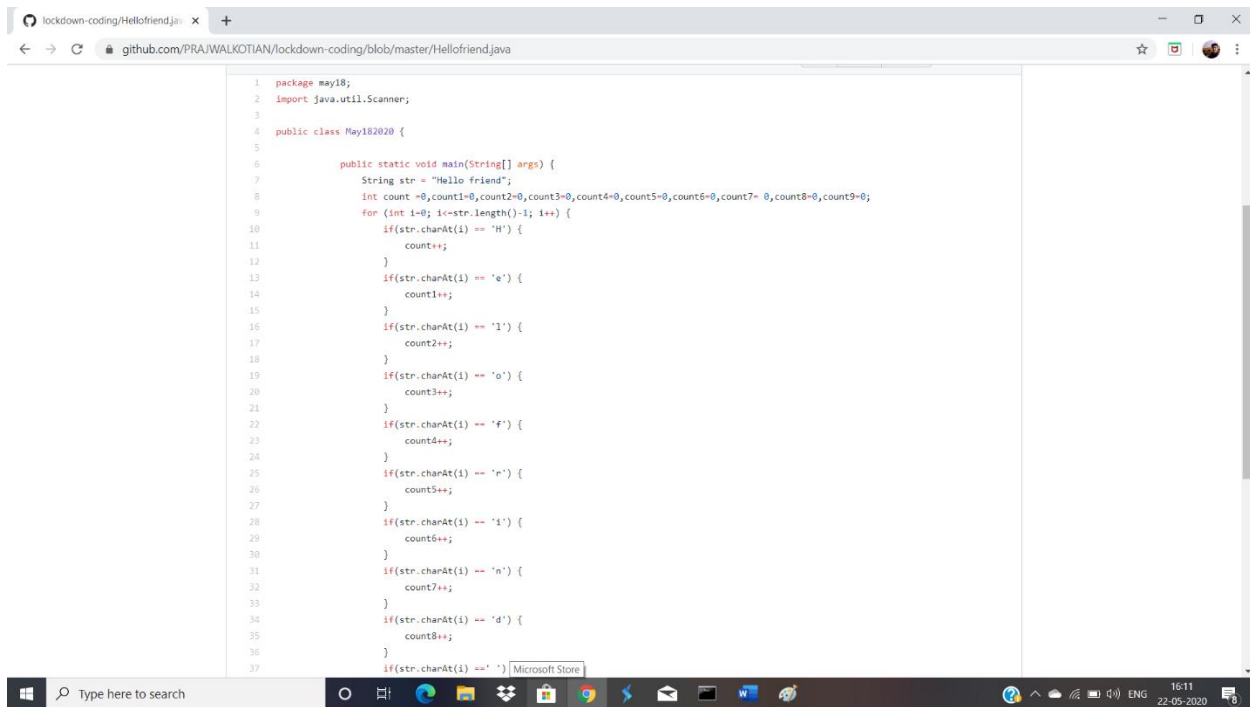


## Coding Challenges Details

The bellow given codes are there on my github repository

<https://github.com/PRAJWALKOTIAN/lockdown-coding>

1. Using methods charAt() & length() of String class, write a java program to print the frequency of each character in a string.  
“Hello friend”

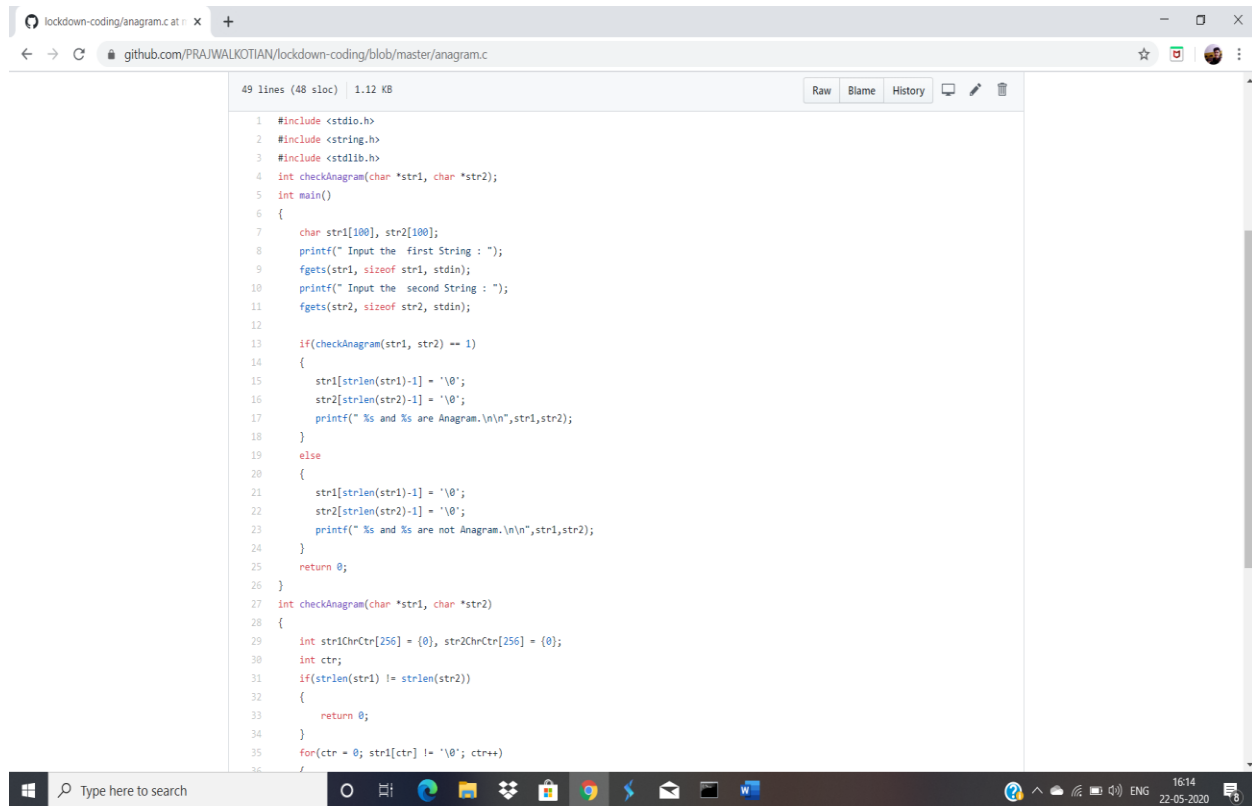


The screenshot shows a web browser window displaying a GitHub repository page. The URL in the address bar is [github.com/PRAJWALKOTIAN/lockdown-coding/blob/master/Hellofriend.java](https://github.com/PRAJWALKOTIAN/lockdown-coding/blob/master/Hellofriend.java). The main content area shows a Java code file named `Hellofriend.java`. The code is as follows:

```
1 package may18;
2 import java.util.Scanner;
3
4 public class May182020 {
5
6     public static void main(String[] args) {
7         String str = "Hello friend";
8         int count =0, count1=0, count2=0, count3=0, count4=0, count5=0, count6=0, count7=0, count8=0, count9=0;
9         for (int i=0; i<str.length()-1; i++) {
10             if(str.charAt(i) == 'H') {
11                 count++;
12             }
13             if(str.charAt(i) == 'e') {
14                 count1++;
15             }
16             if(str.charAt(i) == 'l') {
17                 count2++;
18             }
19             if(str.charAt(i) == 'o') {
20                 count3++;
21             }
22             if(str.charAt(i) == 'f') {
23                 count4++;
24             }
25             if(str.charAt(i) == 'r') {
26                 count5++;
27             }
28             if(str.charAt(i) == 'i') {
29                 count6++;
30             }
31             if(str.charAt(i) == 'n') {
32                 count7++;
33             }
34             if(str.charAt(i) == 'd') {
35                 count8++;
36             }
37             if(str.charAt(i) == " ") {
38                 count9++;
39             }
40         }
41     }
42 }
```

The code is a Java program that calculates the frequency of each character in the string "Hello friend". It uses a loop to iterate through each character and increments a specific count variable based on the character. The variables are: `count` for 'H', `count1` for 'e', `count2` for 'l', `count3` for 'o', `count4` for 'f', `count5` for 'r', `count6` for 'i', `count7` for 'n', `count8` for 'd', and `count9` for space.

## 2. Write a C program to check whether the two strings are Anagram or not.



The screenshot shows a web browser window with the address bar displaying `github.com/PRAJWALKOTIAN/lockdown-coding/blob/master/anagram.c`. The page content shows a C program file named `anagram.c` with 49 lines of code. The code is as follows:

```
1  #include <stdio.h>
2  #include <string.h>
3  #include <stdlib.h>
4  int checkAnagram(char *str1, char *str2);
5  int main()
6  {
7      char str1[100], str2[100];
8      printf(" Input the first String : ");
9      fgets(str1, sizeof str1, stdin);
10     printf(" Input the second String : ");
11     fgets(str2, sizeof str2, stdin);
12
13     if(checkAnagram(str1, str2) == 1)
14     {
15         str1[strlen(str1)-1] = '\0';
16         str2[strlen(str2)-1] = '\0';
17         printf(" %s and %s are Anagram.\n\n", str1, str2);
18     }
19     else
20     {
21         str1[strlen(str1)-1] = '\0';
22         str2[strlen(str2)-1] = '\0';
23         printf(" %s and %s are not Anagram.\n\n", str1, str2);
24     }
25     return 0;
26 }
27 int checkAnagram(char *str1, char *str2)
28 {
29     int str1ChrCtr[256] = {0}, str2ChrCtr[256] = {0};
30     int ctr;
31     if(strlen(str1) != strlen(str2))
32     {
33         return 0;
34     }
35     for(ctr = 0; str1[ctr] != '\0'; ctr++)
```