

DAILY ONLINE ACTIVITIES SUMMARY

Date:	19/05/2020	Name:	Priya Nagari
Sem & Sec	Fourth SEM section B	USN:	4AL18CS063
Online Test Summary			
Subject	Design and Analysis of Algorithms.		
Max. Marks	30	Score	14
Certification Course Summary			
Course	The complete Adroid app development Masterclass:Build apps		
Certificate Provider	Udemy	Duration	29 hours
Coding Challenges			
Problem Statement: 1. To check whether one string is a sub sequence of another string 2. To find the short palindrome of a string			
Status:			
Uploaded the report in Github		YES	
If yes Repository name		Priya_Nagari link: https://github.com/alvas-education-foundation/Priya_Nagari	
Uploaded the report in slack		YES	

Online Test Details:

The online test was about Introduction to the subject and asymptotic notations(module:1). There were 25 questions and the duration was 30 minutes. The score that I received was 14/30.

Snapshot: not taken

Certification Course Details:

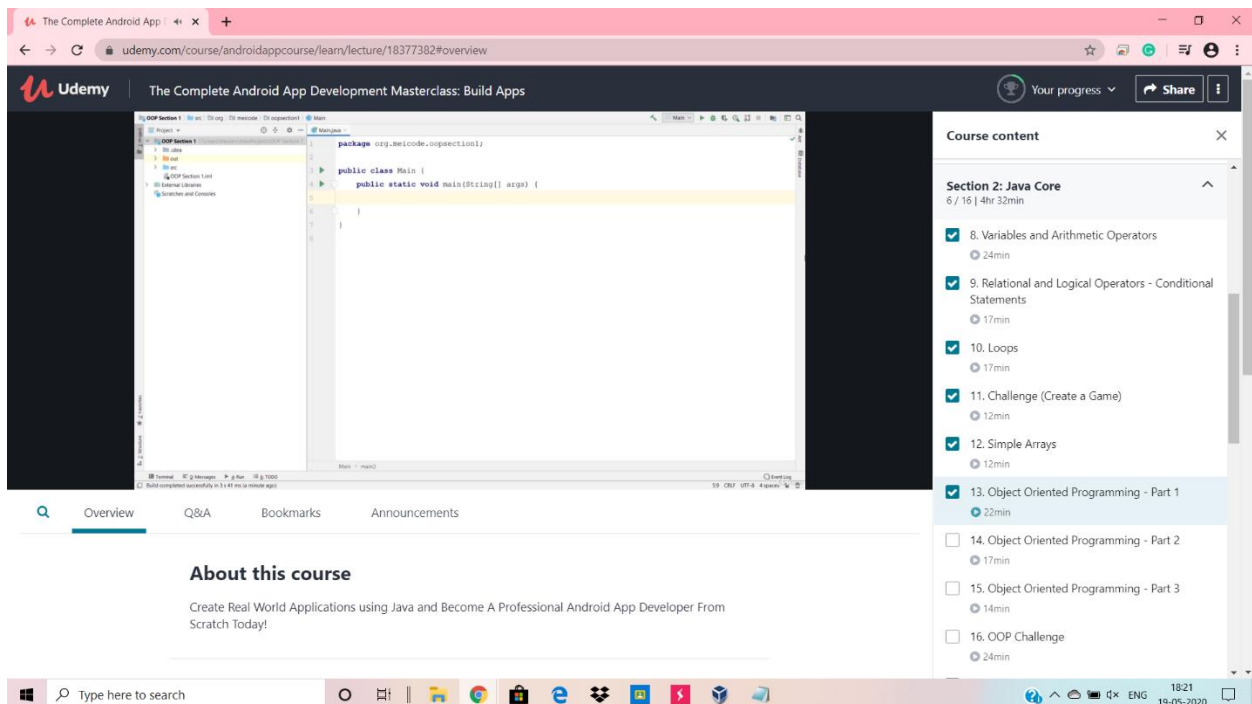
Name of the course: The complete Adroid app development Masterclass:Build apps

Certificate Provider: Udemy

total duration is 29 hours.

After completing introductory part ,I have gone through java core object oriented concepts which is required one to learn coding in java for developing android app.

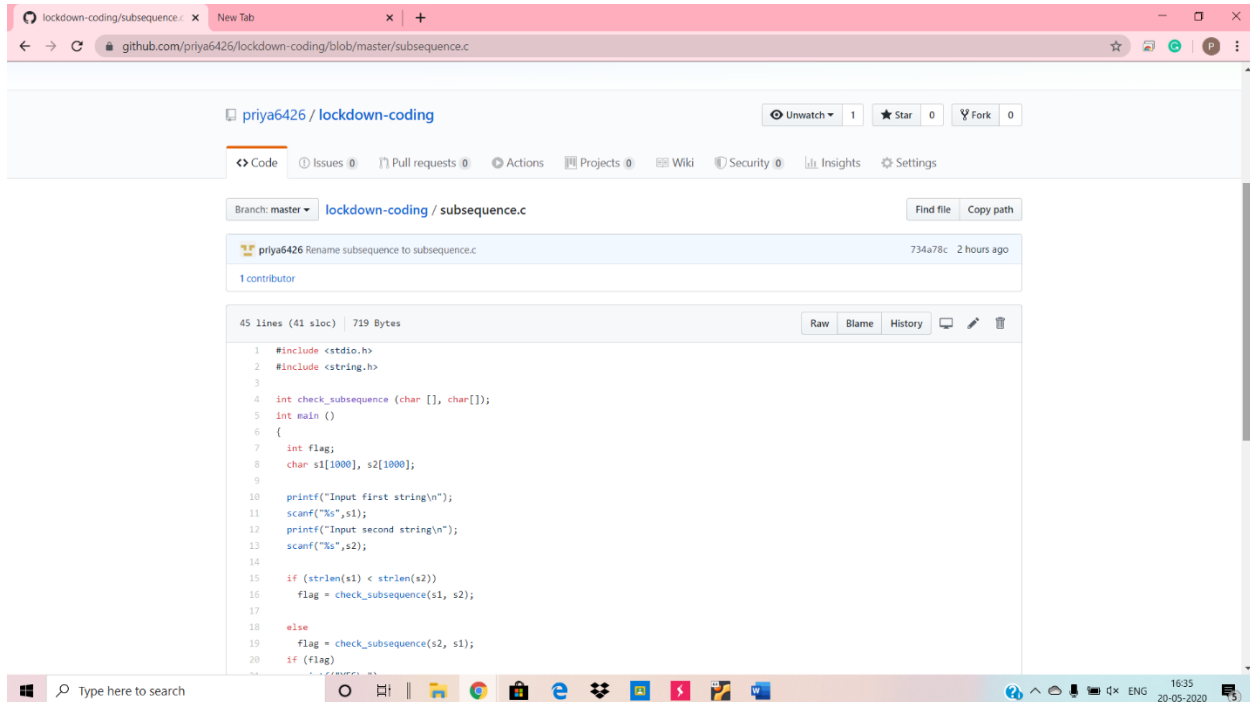
Snapshot:



Online Coding Details:

Problem : 1. To check whether one string is a sub sequence of another string.

Snapshot:

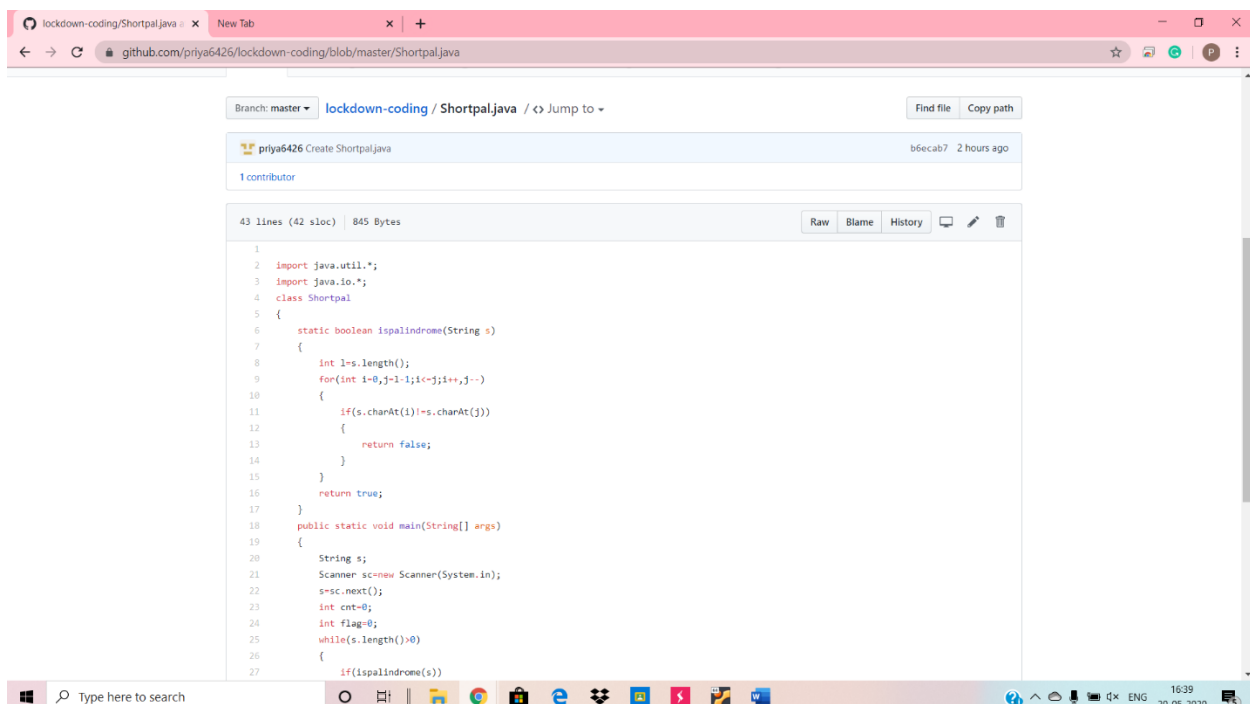


The screenshot shows a web browser displaying a GitHub repository page for 'lockdown-coding/subsequence.c'. The repository is owned by 'priya6426'. The file 'subsequence.c' is selected, showing its commit history and code. The code is in C and implements a function to check if one string is a subsequence of another. The code is as follows:

```
1 #include <stdio.h>
2 #include <string.h>
3
4 int check_subsequence (char [], char[]);
5 int main ()
6 {
7     int flag;
8     char s1[1000], s2[1000];
9
10    printf("Input first string\n");
11    scanf("%s",s1);
12    printf("Input second string\n");
13    scanf("%s",s2);
14
15    if (strlen(s1) < strlen(s2))
16        flag = check_subsequence(s1, s2);
17
18    else
19        flag = check_subsequence(s2, s1);
20    if (flag)
```

Problem 2: To find the short palindrome of a string

Snapshot:



The screenshot shows a web browser displaying a GitHub repository page for 'lockdown-coding/Shortpal.java'. The repository is owned by 'priya6426'. The file 'Shortpal.java' is selected, showing its commit history and code. The code is in Java and implements a function to find the short palindrome of a string. The code is as follows:

```
1
2 import java.util.*;
3 import java.io.*;
4 class Shortpal
5 {
6     static boolean ispalindrome(String s)
7     {
8         int l=s.length();
9         for(int i=0,j=l-1;i<j;i++,j--)
10         {
11             if(s.charAt(i)!=s.charAt(j))
12             {
13                 return false;
14             }
15         }
16         return true;
17     }
18     public static void main(String[] args)
19     {
20         String s;
21         Scanner sc=new Scanner(System.in);
22         s=sc.next();
23         int cnt=0;
24         int flag=0;
25         while(s.length()>0)
26         {
27             if(ispalindrome(s))
```