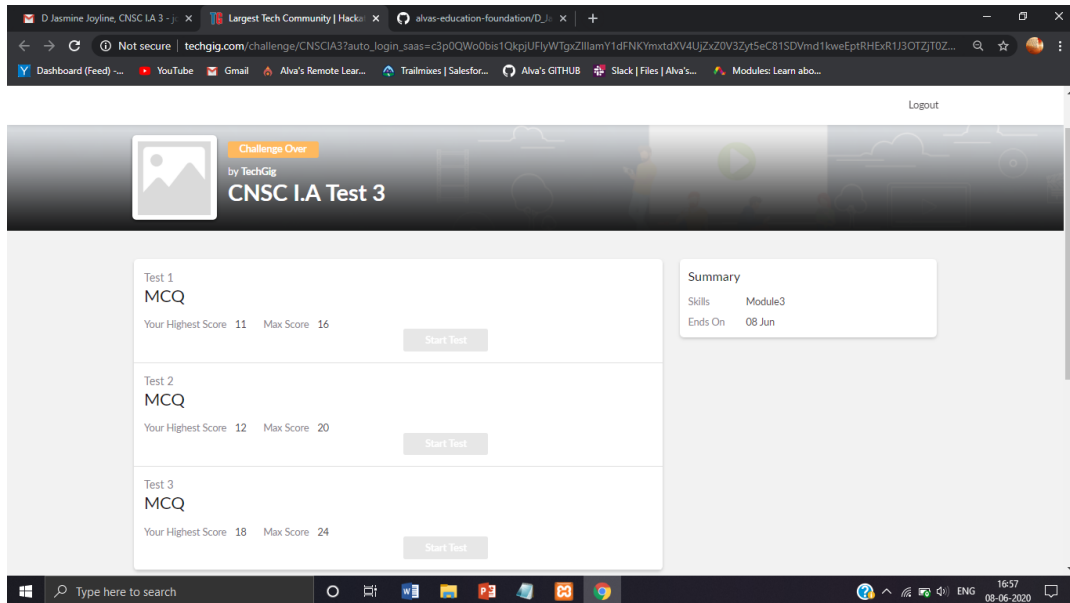


## DAILY ONLINE ACTIVITIES SUMMARY

Date:	08-06-2020	Name:	D Jasmine Joyline
Sem & Sec	VI Sem A	USN:	4AL17CS024
<b>Online Test Summary</b>			
Subject	CNSC		
Max. Marks	60	Score	41
<b>Certification Course Summary</b>			
Course	EBOX ONLINE PYTHON MASTER CLASS		
Certificate Provider	-	Duration	1.5hr
<b>Coding Challenges</b>			
<b>Problem Statement:</b> <ol style="list-style-type: none"><li>1. C++ program to Check whether a number can be represented as difference of two squares</li><li>2. Program to find whether a string is a palindrome or not</li></ol>			
<b>Status:Completed</b>			
Uploaded the report in Github		Yes	
If yes Repository name		<a href="https://github.com/alvas-education-foundation/D_Jasmine_Joyline/tree/master/daily_progress">https://github.com/alvas-education-foundation/D_Jasmine_Joyline/tree/master/daily_progress</a>	
Uploaded the report in slack		Yes	

## Online Test Details:

### CNSC IA TEST

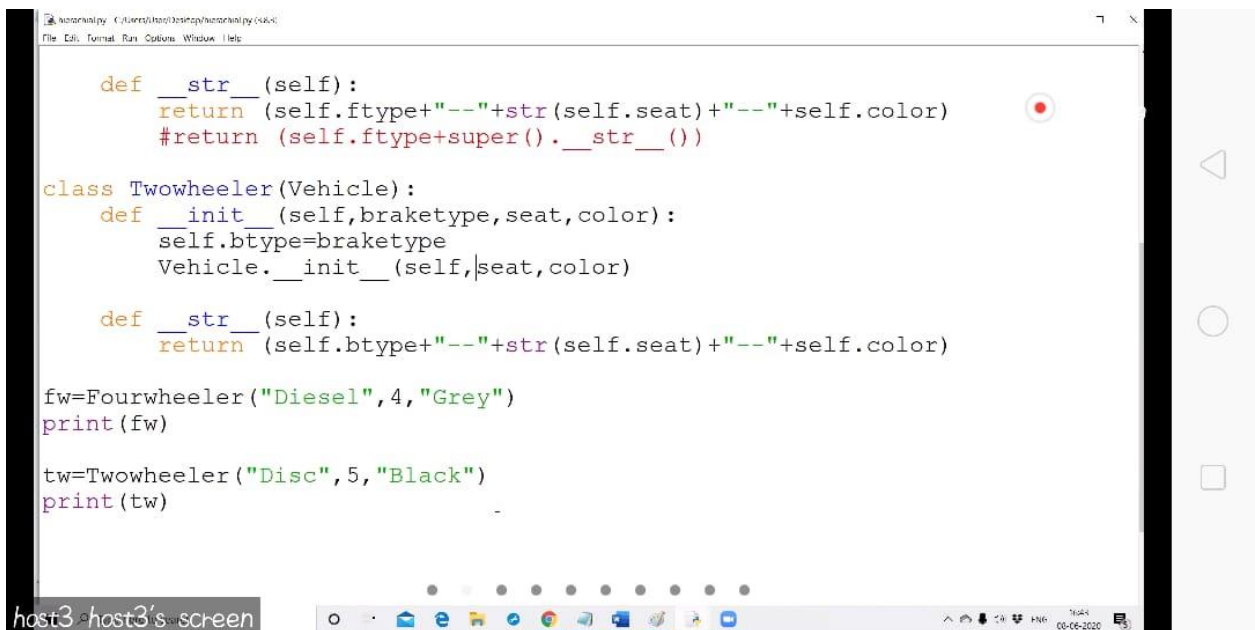


## Certification Course Details:

eBox Online Python class through zoom

Topics covered-

- Inheritance



## Coding Challenges Details:

### 1. Write C++ program to Check whether a number can be represented as difference of two squares

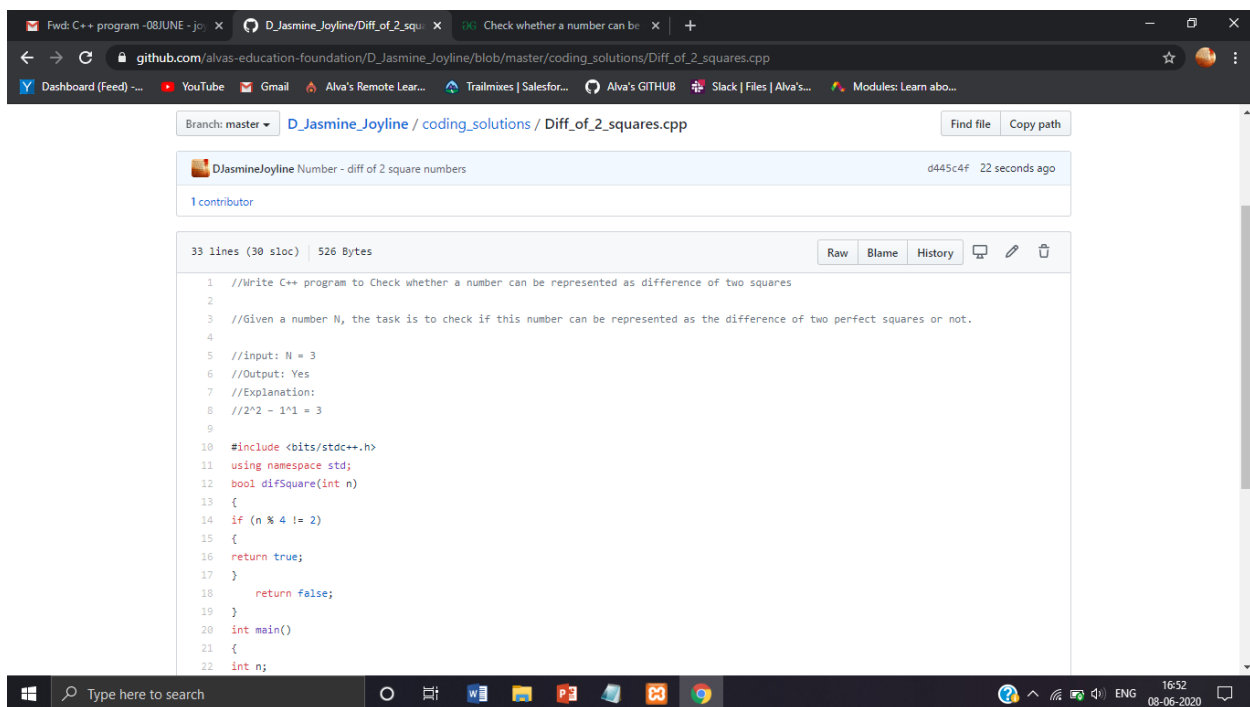
Given a number N, the task is to check if this number can be represented as the difference of two perfect squares or not.

input: N = 3

Output: Yes

Explanation:

$$2^2 - 1^2 = 3$$



The screenshot shows a web browser displaying a GitHub repository. The repository is named "D\_Jasmine\_Joyline / coding\_solutions / Diff\_of\_2\_squares.cpp". The file is a C++ program that checks if a given number N can be represented as the difference of two perfect squares. The program includes comments for input, output, and explanation. The code is as follows:

```
1 //Write C++ program to Check whether a number can be represented as difference of two squares
2
3 //Given a number N, the task is to check if this number can be represented as the difference of two perfect squares or not.
4
5 //input: N = 3
6 //Output: Yes
7 //Explanation:
8 //2^2 - 1^2 = 3
9
10 #include <bits/stdc++.h>
11 using namespace std;
12 bool diffSquare(int n)
13 {
14     if (n % 4 != 2)
15     {
16         return true;
17     }
18     return false;
19 }
20 int main()
21 {
22     int n;
```

### 2. Program to find whether a string is a palindrome or not

Description:

Write a python function that will take a string and checks whether it is a palindrome or not.

Return If it a palindrome, print true else print false

Eg: String is : 'aba'

Output: True

Browser tabs: Fwd: C++ program -08JUNE - jo..., D\_Jasmine\_Joyline/StringPalindr..., Check whether a number can be...

Address bar: github.com/alvas-education-foundation/D\_Jasmine\_Joyline/blob/master/coding\_solutions/StringPalindrome.py

Navigation: Dashboard (Feed) ~..., YouTube, Gmail, Alva's Remote Lear..., Trailmixes | Salesfor..., Alva's GITHUB, Slack | Alva's..., Modules: Learn abo...

Repository: alvas-education-foundation / D\_Jasmine\_Joyline  
generated from alvas-education-foundation/progress\_template

Actions: Watch 1, Unstar 2, Fork 0

Code navigation: <> Code, Issues 0, Pull requests 0, Actions, Projects 0, Wiki, Security 0, Insights, Settings

Branch: master | D\_Jasmine\_Joyline / coding\_solutions / StringPalindrome.py / <> Jump to | Find file | Copy path

Commit: D\_Jasmine\_Joyline Palindrome-String | 30b14c6 | 12 minutes ago | 1 contributor

File info: 13 lines (11 sloc) | 410 Bytes | Raw | Blame | History

```
1 #Write a python function that will take a string and checks whether it is a palindrome or not. Return If it a palindrome, print true else p
2
3 #Eg: String is : 'aba'
4 #Output: True
5
6 def palindrome(string):
7     str_rev=string[::-1]
8     if string==str_rev :
9         return True
10    return False
11
12 #main
13 string=input("Enter the string to check if it is palindrome:a ")
14 print(palindrome(string))
```

Windows taskbar: Type here to search, 16:33, 08-06-2020