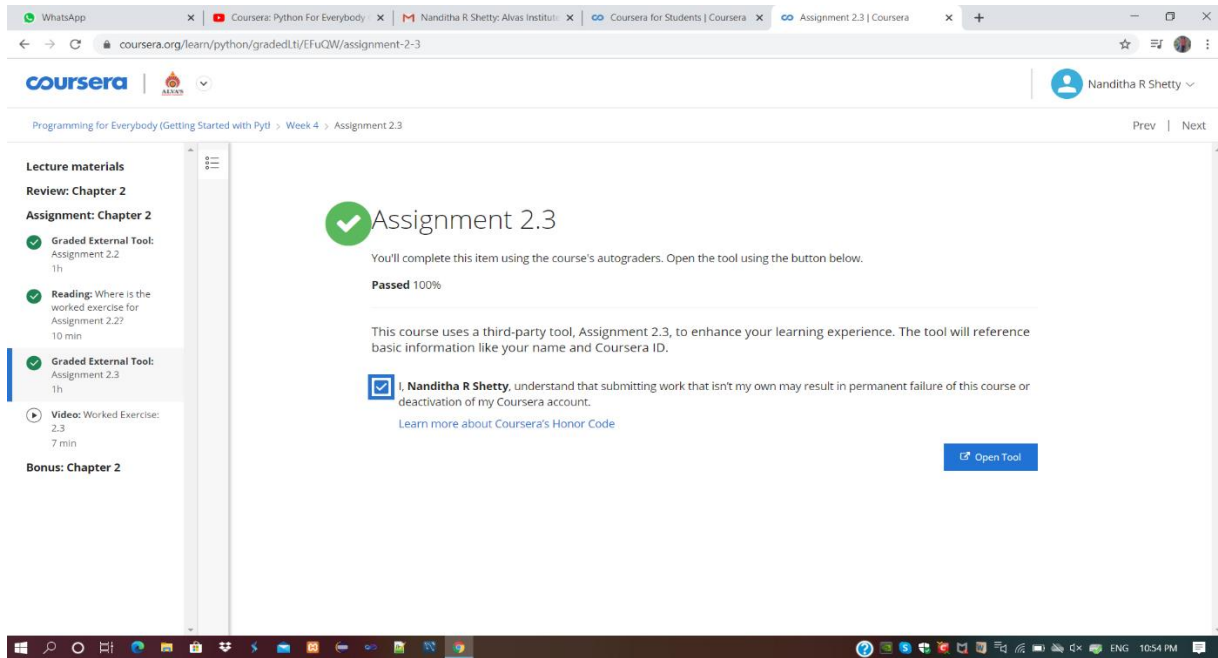


DAILY ONLINE ACTIVITIES SUMMARY

Date:	12-08-2020	Name:	Nanditha.R.Shetty
Sem & Sec	6 th sem, 'A' sec	USN:	4AL17CS054
Online Test Summary			
Subject	--		
Max. Marks	-	Score	-
Certification Course Summary			
Course	Programming for Everybody (Getting Started with Python)		
Certificate Provider	Coursera	Duration	19hrs
Coding Challenges			
Problem Statement: 1 python program			
Status: executed			
Uploaded the report in GitHub		Yes	
If yes Repository name		https://github.com/nandithashetty/DAILY-STATUS	
Uploaded the report in slack		Yes	

Online Certification Course Details:

Today I took Week 4 “Assignment 2.3” quiz on this Course.

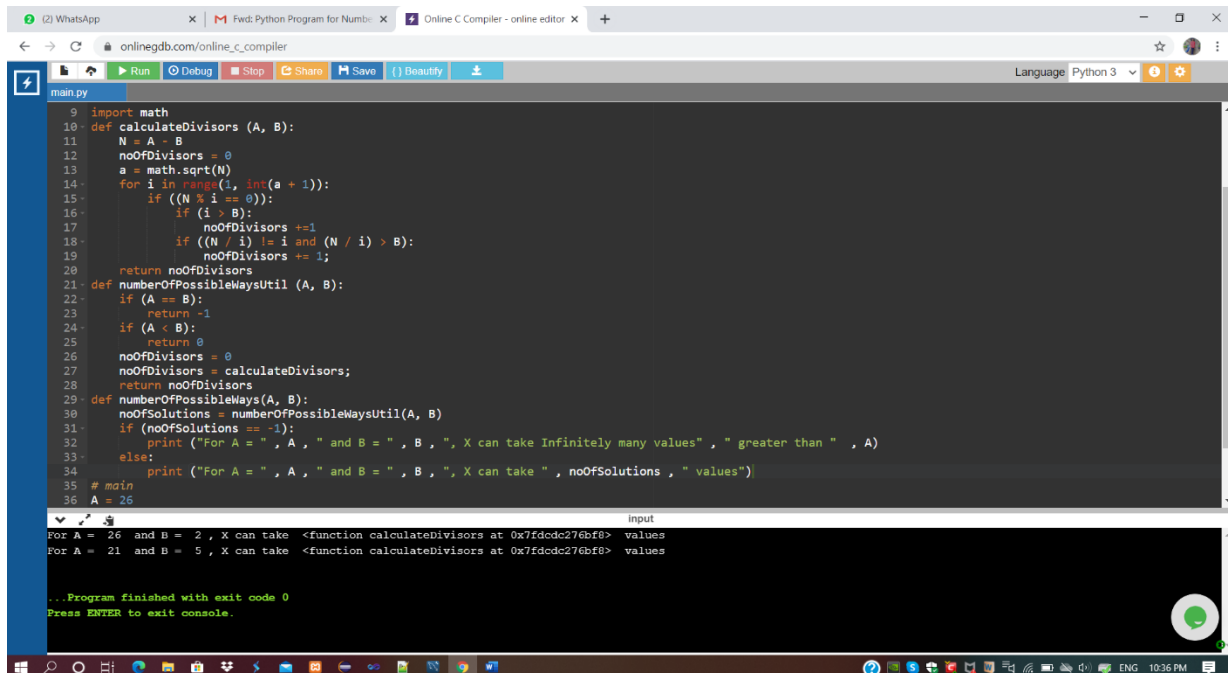


The screenshot shows the Coursera interface for the course "Programming for Everybody (Getting Started with Python)". The user is logged in as Nanditha R Shetty. The left sidebar shows the course structure with "Assignment 2.3" highlighted. The main content area displays "Assignment 2.3" with a green checkmark and a "Passed 100%" status. Below this, it states "You'll complete this item using the course's autograders. Open the tool using the button below." and "This course uses a third-party tool, Assignment 2.3, to enhance your learning experience. The tool will reference basic information like your name and Coursera ID." A checkbox is checked, indicating the user understands the honor code. A blue button labeled "Open Tool" is visible at the bottom right.

Coding Challenges Details:

Program 1

Python Program for Number of solutions to Modular Equations



The screenshot shows a Python program running in an online compiler. The code defines two functions: `calculateDivisors` and `numberOfPossibleWaysUtil`. The `calculateDivisors` function counts the number of divisors of a given number `N`. The `numberOfPossibleWaysUtil` function uses this to determine the number of solutions for a modular equation. The main function `main` takes input values for `A` and `B` and prints the results.

```
9 import math
10 def calculateDivisors (A, B):
11     N = A - B
12     noOfDivisors = 0
13     a = math.sqrt(N)
14     for i in range(1, int(a + 1)):
15         if ((N % i == 0)):
16             if (i > B):
17                 noOfDivisors += 1
18             if ((N / i) != i and (N / i) > B):
19                 noOfDivisors += 1;
20     return noOfDivisors
21 def numberOfPossibleWaysUtil (A, B):
22     if (A == B):
23         return -1
24     if (A < B):
25         return 0
26     noOfDivisors = 0
27     noOfDivisors = calculateDivisors;
28     return noOfDivisors
29 def numberOfPossibleWays(A, B):
30     noOfSolutions = numberOfPossibleWaysUtil(A, B)
31     if (noOfSolutions == -1):
32         print ("For A = ", A, " and B = ", B, ", X can take Infinitely many values", " greater than ", A)
33     else:
34         print ("For A = ", A, " and B = ", B, ", X can take ", noOfSolutions, " values")
35 # main
36 A = 26
```

Input:
For A = 26 and B = 2, X can take <function calculateDivisors at 0x7fdcdc276bf0> values
For A = 21 and B = 5, X can take <function calculateDivisors at 0x7fdcdc276bf0> values

...Program finished with exit code 0
Press ENTER to exit console.

Refer GitHub for detailed Information:

<https://github.com/nandithashetty/DAILY-STATUS/tree/master/12-08-2020/ONLINE%20CODING>

This Report is also available in:

<https://github.com/nandithashetty/DAILY-STATUS/blob/master/12-08-2020/Daily-Report12-8-2020.pdf>