

DAILY ONLINE ACTIVITIES SUMMARY

Date:	17-07-2020	Name:	Nanditha.R.Shetty
Sem & Sec	6 th sem, 'A' sec	USN:	4AL17CS054
Online Test Summary			
Subject	-		
Max. Marks	-	Score	-
Certification Course Summary			
Course	Blockchain Basics		
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 completed “Securing Blockchain” lesson and took quiz on this Lesson.

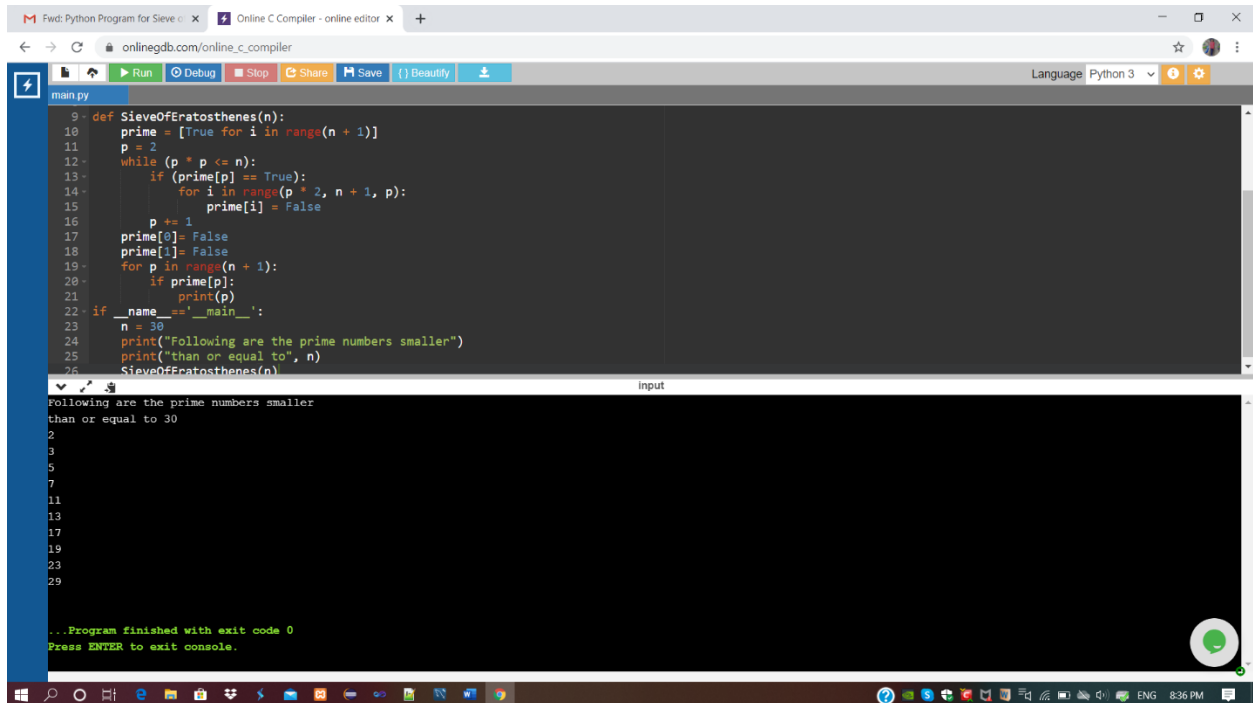
The screenshot shows the Coursera interface for the 'Securing Blockchain' lesson. The browser tabs include 'Nanditha R Shetty: Alvas Institut...', 'Coursera for Students | Coursera', 'Securing Blockchain - Univ...', and 'Online C Compiler - online editor'. The URL is 'coursera.org/learn/blockchain-basics/lecture/qYn1A/securing-blockchain'. The user is logged in as 'Nanditha R Shetty'. The course path is 'Blockchain Basics > Week 3 > Securing Blockchain'. The left sidebar lists 'Public-Key Cryptography', 'Hashing', 'Transaction Integrity', and 'Securing Blockchain'. Under 'Securing Blockchain', there is a video 'Securing Blockchain' (4 min), an optional reading 'Securing Blockchain' (10 min), and a practice quiz 'Self-Check' (4 questions). The main content area is titled 'Securing Blockchain' and features a video player with the text 'Main components of Ethereum block: Block Header, Transaction Hash, Transaction Root, State Hash, State Root'. Below the video are buttons for 'Save Note', 'Discuss', and 'Download'. The Windows taskbar at the bottom shows the time as 8:39 PM.

The screenshot shows the 'Self-Check' quiz results page on Coursera. The browser tabs include 'Fwd: Python Program for Sieve', 'Coursera for Students | Coursera', 'Self-Check | Coursera', and 'Online C Compiler - online editor'. The URL is 'coursera.org/learn/blockchain-basics/quiz/DBQaD/self-check/attempt?redirectToCover=true'. The page title is 'Self-Check' with a subtitle 'Practice Quiz • 30 min'. A green banner at the top says 'Congratulations! You passed!' with a 'Keep Learning' button and a 'GRADE 100%' indicator. Below this, the 'Self-Check' section shows 'TOTAL POINTS 4'. The first question is '1. In Ethereum, the block hash is the hash of all the elements in the _____. 1 / 1 point'. The options are 'Transaction hash tree', 'Block header' (selected), 'State tree', and 'Receipt tree'. A green box indicates 'Correct Correct!'. The second question is '2. Merkle tree hash is used for computing _____. hash. 1 / 1 point'. The option 'state root' is partially visible. The Windows taskbar at the bottom shows the time as 8:51 PM.

Coding Challenges Details:

Program 1

This is output of python program for Sieve of Eratosthenes



The screenshot shows a web browser window with an online Python compiler. The code in the editor is as follows:

```
9 def SieveOfEratosthenes(n):
10     prime = [True for i in range(n + 1)]
11     p = 2
12     while (p * p <= n):
13         if (prime[p] == True):
14             for i in range(p * 2, n + 1, p):
15                 prime[i] = False
16         p += 1
17     prime[0] = False
18     prime[1] = False
19     for p in range(n + 1):
20         if prime[p]:
21             print(p)
22 if __name__ == '__main__':
23     n = 30
24     print("Following are the prime numbers smaller")
25     print("than or equal to", n)
26     SieveOfEratosthenes(n)
```

The output console shows the following text:

```
Following are the prime numbers smaller
than or equal to 30
2
3
5
7
11
13
17
19
23
29

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

Refer GitHub for detailed Information:

<https://github.com/nandithashetty/DAILY-STATUS/tree/master/17-07-2020/ONLINE%20CODING>

This Report is also available in:

<https://github.com/nandithashetty/DAILY-STATUS/blob/master/17-07-2020/Daily-Report17-7-2020.pdf>