

## DAILY ONLINE ACTIVITIES SUMMARY

<b>Date:</b>	14-07-2020	<b>Name:</b>	Nanditha.R.Shetty
<b>Sem &amp; Sec</b>	6 <sup>th</sup> sem, 'A' sec	<b>USN:</b>	4AL17CS054
<b>Online Test Summary</b>			
<b>Subject</b>	OS Descriptive IA 1		
<b>Max. Marks</b>	-	<b>Score</b>	-
<b>Certification Course Summary</b>			
<b>Course</b>	Blockchain Basics		
<b>Certificate Provider</b>	Coursera	<b>Duration</b>	19hrs
<b>Coding Challenges</b>			
<b>Problem Statement: 1 python program</b>			
<b>Status: executed</b>			
<b>Uploaded the report in GitHub</b>		Yes	
<b>If yes Repository name</b>		<a href="https://github.com/nandithashetty/DAILY-STATUS">https://github.com/nandithashetty/DAILY-STATUS</a>	
<b>Uploaded the report in slack</b>		Yes	

## Online Certification Course Details:

Today I completed “**Public-Key Cryptography**” lesson and took quiz on this Lesson.

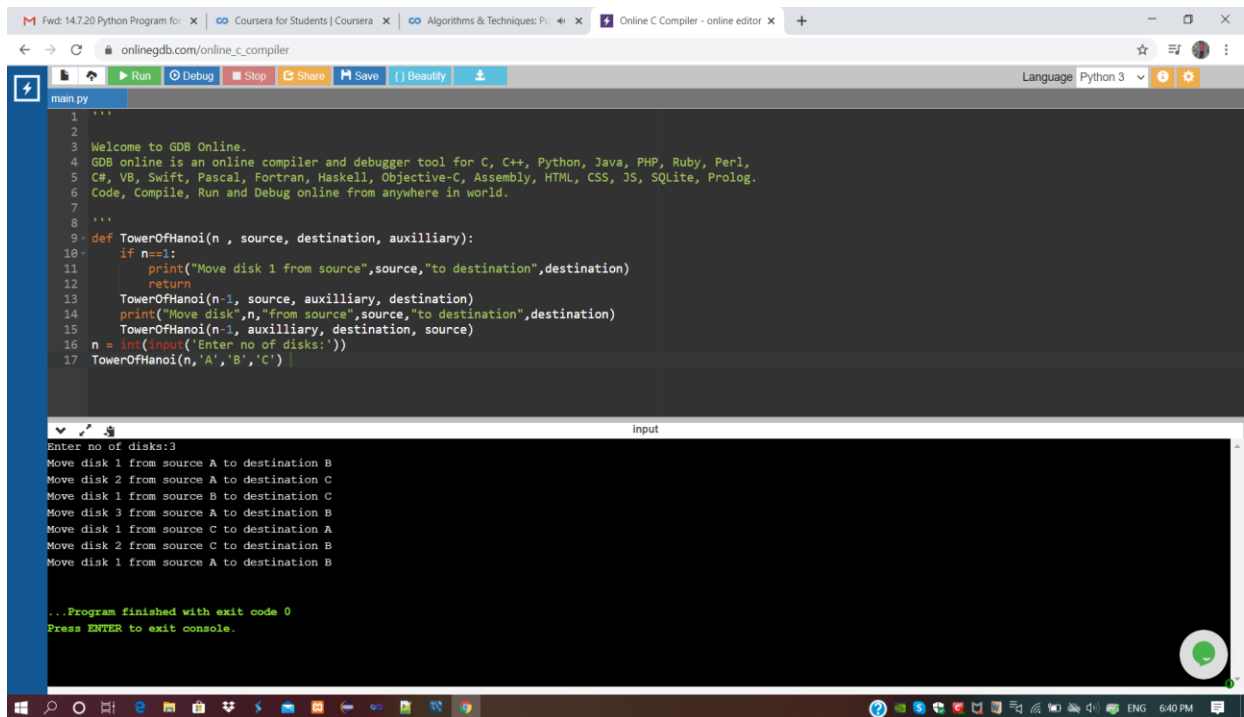
The screenshot shows the Coursera interface for the course 'Blockchain Basics' > 'Week 3' > 'Algorithms & Techniques: Public-Key Cryptography'. The user is logged in as Nanditha R Shetty. The left sidebar lists the course content: 'Public-Key Cryptography' (Video: Algorithms & Techniques: Public-Key Cryptography, 7 min), 'Reading: (OPTIONAL) Resources: Public-Key Cryptography' (12 min), 'Practice Quiz: Self-Check' (3 questions), 'Hashing', 'Transaction Integrity', 'Securing Blockchain', and 'Week 3 Evaluation: Algorithms & Techniques'. The main content area shows a video player with a dark background and a woman speaking. Overlaid on the video is a white circle with a book icon and the text 'Up Next (OPTIONAL) Resources: Public-Key Cryptography 12 min START'. Below the video are buttons for 'Save Note', 'Discuss', and 'Download'. The Windows taskbar is visible at the bottom.

The screenshot shows the 'Self-Check' quiz results page. The top section is green and says 'Congratulations! You passed!' with 'TO PASS 80% or higher' and a 'Keep Learning' button. The 'GRADE' is 100%. Below this, the 'Self-Check' title is followed by 'TOTAL POINTS 3'. The quiz consists of two questions, each worth 1/1 point. Question 1: 'A popular public-private key implementation known as Rivest-Shamir-Adelman (RSA) algorithm is used for the Bitcoin and Ethereum Blockchain. True or False?' with options 'False' (selected) and 'True'. A green box below indicates 'Correct Correct!'. Question 2: 'For the simple symmetric key example discussed in the lecture, it is easy to derive the "secret" key from the encrypted data. True or False?' with options 'False' and 'True' (selected). The Windows taskbar is visible at the bottom.

## Coding Challenges Details:

### Program 1

This is output of python program for Tower of Hanoi



The screenshot shows a web browser window with the URL `onlinegdb.com/online_c_compiler`. The browser has several tabs open, including 'Fwd: 14.7.20 Python Program for...', 'Coursera for Students | Coursera', 'Algorithms & Techniques: P...', and 'Online C Compiler - online editor'. The online editor is set to 'Python 3'. The code in the editor is as follows:

```
1 ***
2
3 Welcome to GDB Online.
4 GDB online is an online compiler and debugger tool for C, C++, Python, Java, PHP, Ruby, Perl,
5 C#, VB, Swift, Pascal, Fortran, Haskell, Objective-C, Assembly, HTML, CSS, JS, SQLite, Prolog.
6 Code, Compile, Run and Debug online from anywhere in world.
7
8 ***
9 def TowerOfHanoi(n , source, destination, auxilliary):
10     if n==1:
11         print("Move disk 1 from source",source,"to destination",destination)
12         return
13     TowerOfHanoi(n-1, source, auxilliary, destination)
14     print("Move disk",n,"from source",source,"to destination",destination)
15     TowerOfHanoi(n-1, auxilliary, destination, source)
16 n = int(input('Enter no of disks:'))
17 TowerOfHanoi(n,'A','B','C')
```

The output window shows the following text:

```
Enter no of disks:3
Move disk 1 from source A to destination B
Move disk 2 from source A to destination C
Move disk 1 from source B to destination C
Move disk 3 from source A to destination B
Move disk 1 from source C to destination A
Move disk 2 from source C to destination B
Move disk 1 from source A to destination B

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

Refer GitHub for detailed Information:

<https://github.com/nandithashetty/DAILY-STATUS/tree/master/14-07-2020/ONLINE%20CODING>

This Report is also available in:

<https://github.com/nandithashetty/DAILY-STATUS/blob/master/14-07-2020/Daily-Report14-7-2020.pdf>