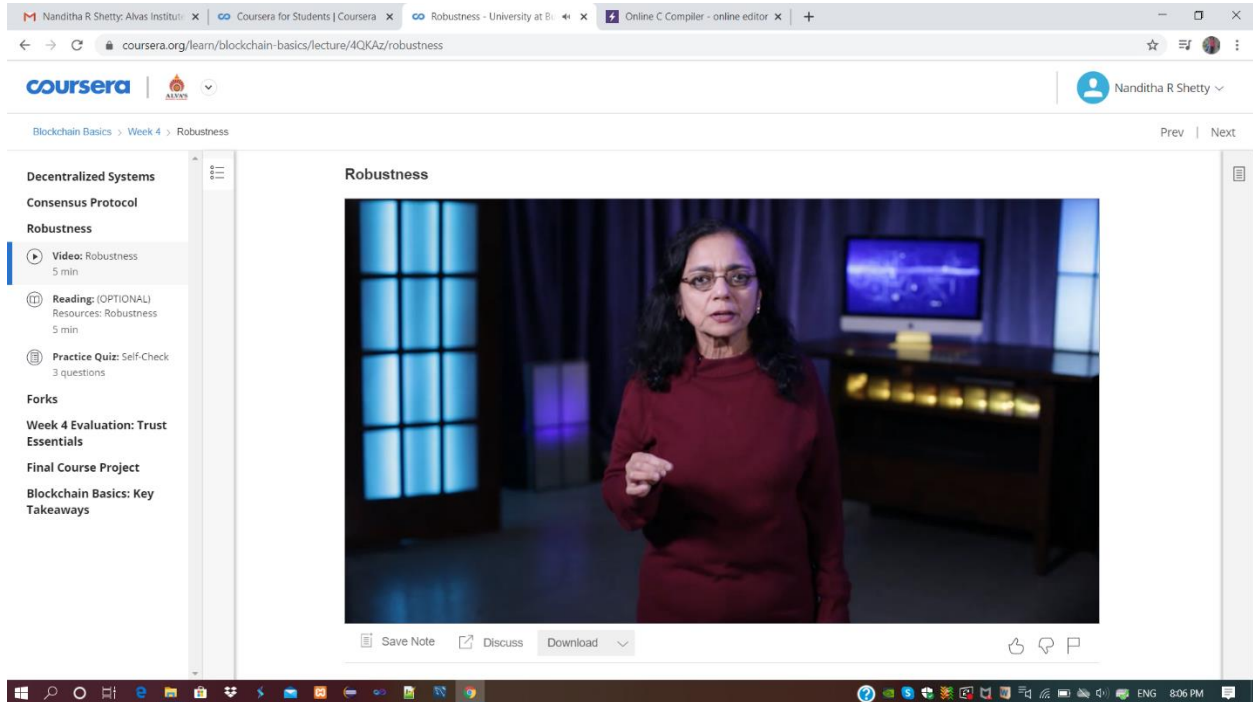


## DAILY ONLINE ACTIVITIES SUMMARY

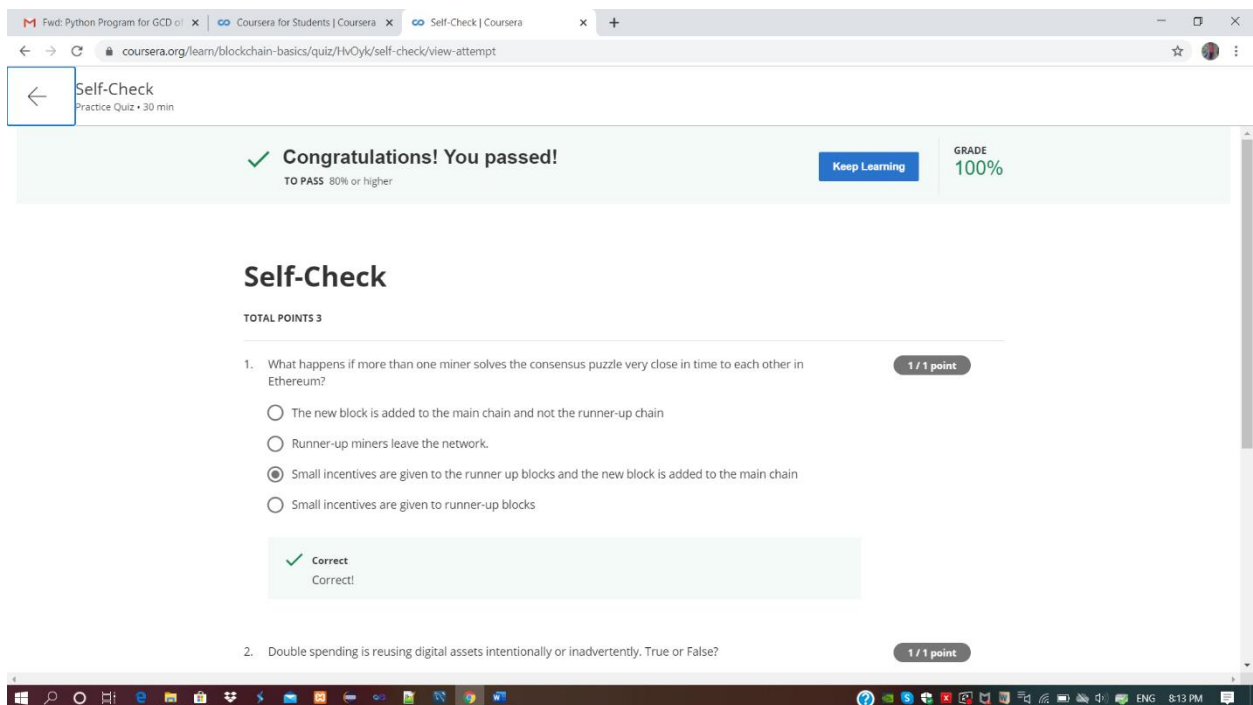
<b>Date:</b>	22-07-2020	<b>Name:</b>	Nanditha.R.Shetty
<b>Sem &amp; Sec</b>	6 <sup>th</sup> sem, 'A' sec	<b>USN:</b>	4AL17CS054
<b>Online Test Summary</b>			
<b>Subject</b>	--		
<b>Max. Marks</b>	-	<b>Score</b>	-
<b>Certification Course Summary</b>			
<b>Course</b>	Blockchain Basics		
<b>Certificate 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 2 lessons “**Robustness**” and “**Forks**” took quiz on these lessons.



The screenshot shows a web browser with multiple tabs open, including 'Nanditha R Shetty: Alvas Institut...', 'Coursera for Students | Coursera', 'Robustness - University at B...', and 'Online C Compiler - online editor'. The active tab is 'Coursera for Students | Coursera' with the URL 'coursera.org/learn/blockchain-basics/lecture/4QKAz/robustness'. The Coursera logo and user profile 'Nanditha R Shetty' are visible in the header. The main content area displays a video player for the 'Robustness' lecture. On the left, a sidebar lists course topics: 'Decentralized Systems', 'Consensus Protocol', 'Robustness', 'Forks', 'Week 4 Evaluation: Trust Essentials', 'Final Course Project', and 'Blockchain Basics: Key Takeaways'. The video player shows a woman in a red top speaking. Below the video are buttons for 'Save Note', 'Discuss', and 'Download'. The Windows taskbar at the bottom shows the time as 8:06 PM.



The screenshot shows a web browser with tabs for 'Fwd: Python Program for GCD o...', 'Coursera for Students | Coursera', and 'Self-Check | Coursera'. The active tab is 'Self-Check | Coursera' with the URL 'coursera.org/learn/blockchain-basics/quiz/1fvOyk/self-check/view-attempt'. 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 section 'Self-Check' shows 'TOTAL POINTS 3'. The first question is 'What happens if more than one miner solves the consensus puzzle very close in time to each other in Ethereum?' with a '1 / 1 point' label. The options are: 'The new block is added to the main chain and not the runner-up chain', 'Runner-up miners leave the network.', 'Small incentives are given to the runner up blocks and the new block is added to the main chain' (selected), and 'Small incentives are given to runner-up blocks'. A green box indicates 'Correct Correct!'. The second question is 'Double spending is reusing digital assets intentionally or inadvertently. True or False?' with a '1 / 1 point' label. The Windows taskbar at the bottom shows the time as 8:13 PM.

Browser tabs: Fwd: Python Program for GCD | Coursera for Students | Coursera | Forks - University at Buffalo | +

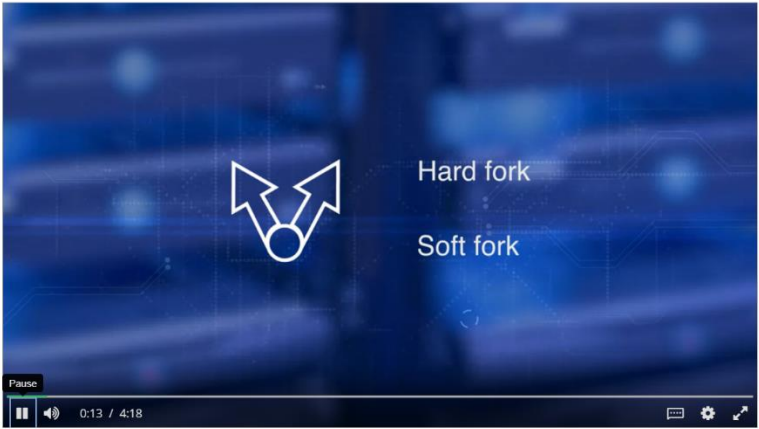
Address bar: coursera.org/learn/blockchain-basics/lecture/1m154/forks

Course navigation: Blockchain Basics > Week 4 > Forks

Left sidebar:

- Decentralized Systems
- Consensus Protocol
- Robustness
  - Video: Robustness (5 min)
  - Reading: (OPTIONAL) Resources: Robustness (5 min)
  - Practice Quiz: Self-Check (3 questions)
- Forks
  - Video: Forks (4 min)
  - Reading: (OPTIONAL) Resources: Forks (10 min)
  - Practice Quiz: Self-Check (3 questions)
- Week 4 Evaluation: Trust Essentials
  - Quiz: Trust Essentials - Week 4 (4 questions)
- Final Course Project

Main content area: Forks



Windows taskbar: 8:14 PM, ENG

Browser tabs: Fwd: Python Program for GCD | Coursera for Students | Coursera | Self-Check | Coursera | +

Address bar: coursera.org/learn/blockchain-basics/quiz/FLp5a/self-check/attempt?redirectToCover=true

Page header: Self-Check Practice Quiz • 30 min

Success message: **✓ Congratulations! You passed!** TO PASS 80% or higher

Buttons: Keep Learning, GRADE 100%

## Self-Check

TOTAL POINTS 3

1. Bootstrapping the new software to the already running processes is known as \_\_\_\_\_. 1 / 1 point

- ☐ Hashing
- ☐ Hard Forks
- ☐ Scripting
- ☒ Soft Forks

Correct Correct!

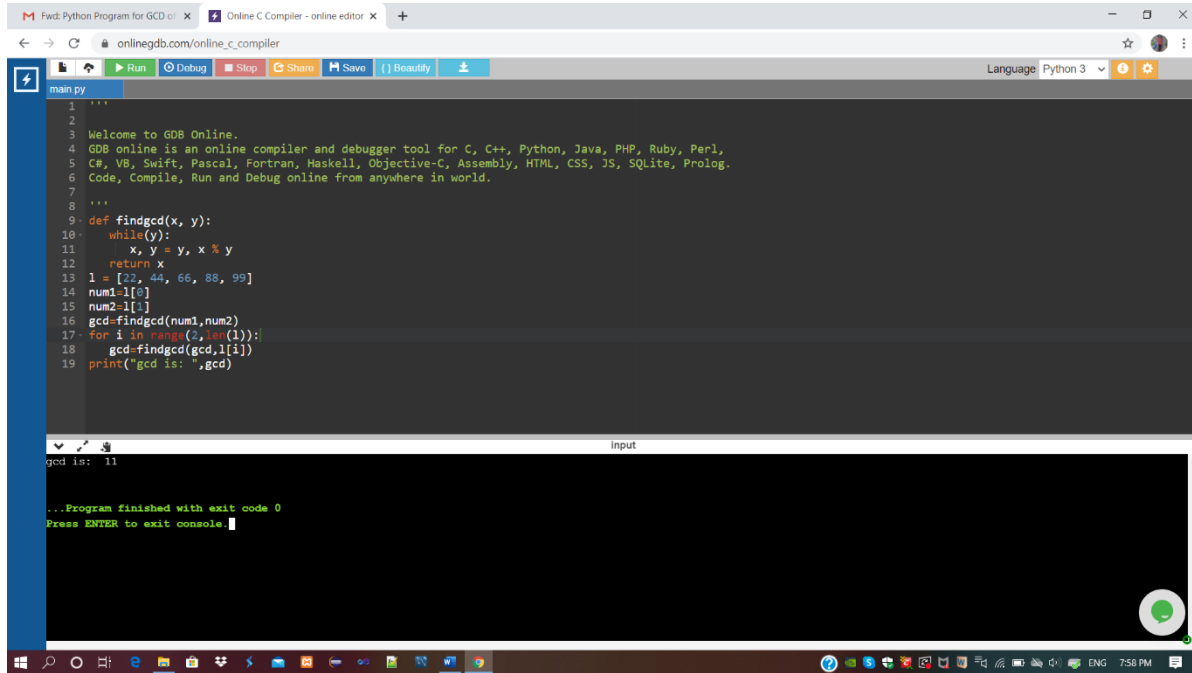
2. After a hard fork, the emerging two chains are incompatible. True or False? 1 / 1 point

Windows taskbar: 8:20 PM, ENG

## Coding Challenges Details:

### Program 1

This is output of python program for GCD of more than two (or Array) numbers.



The screenshot shows a web browser window with the URL `onlinegdb.com/online_c_compiler`. The page title is "Fwd: Python Program for GCD of". The browser's address bar shows the URL. The page has a dark theme. The code editor shows the following Python code:

```
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 findgcd(x, y):
10     while(y):
11         x, y = y, x % y
12     return x
13
14 l = [22, 44, 66, 88, 99]
15 num1=l[0]
16 num2=l[1]
17 gcd=findgcd(num1,num2)
18 for i in range(2,len(l)):
19     gcd=findgcd(gcd,l[i])
20 print("gcd is: ",gcd)
```

The output console shows the result of the program:

```
gcd is: 11
...Program finished with exit code 0
Press ENTER to exit console.
```

Refer GitHub for detailed Information:

<https://github.com/nandithashetty/DAILY-STATUS/tree/master/22-07-2020/ONLINE%20CODING>

This Report is also available in:

<https://github.com/nandithashetty/DAILY-STATUS/blob/master/22-07-2020/Daily-Report22-7-2020.pdf>