

## DAILY ONLINE ACTIVITIES SUMMARY

<b>Date:</b>	20-07-2020		<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 2			
<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 lesson “**Decentralized Systems**” and took quiz on this lesson.

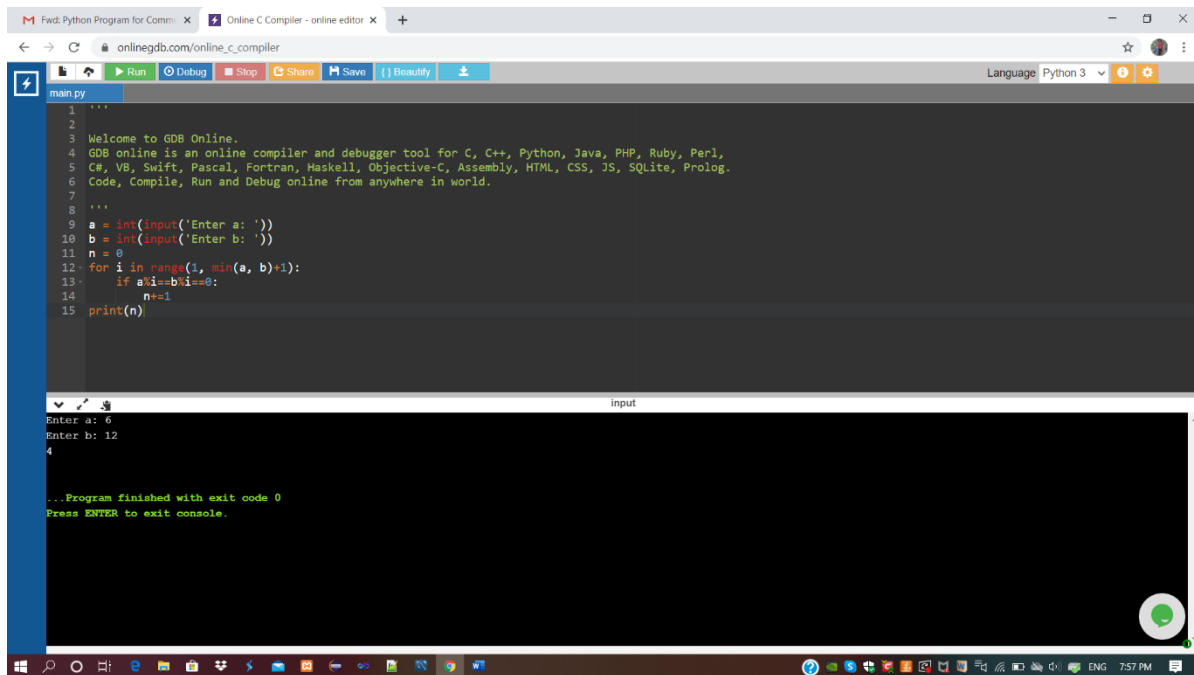
The screenshot shows the Coursera interface for the 'Trust Essentials: Decentralized Systems' video. The video player displays a woman in a red sweater speaking. The left sidebar lists course content: 'Decentralized Systems' (Video: 4 min), 'Reading: (OPTIONAL) Resources: Decentralized Systems' (20 min), 'Practice Quiz: Self-Check' (2 questions), 'Consensus Protocol', 'Robustness', 'Forks', 'Week 4 Evaluation: Trust Essentials', 'Final Course Project', and 'Blockchain Basics: Key Takeaways'. The bottom of the video player has buttons for 'Save Note', 'Discuss', and 'Download'. The browser's taskbar at the bottom shows various application icons and the system clock at 8:03 PM.

The screenshot shows the 'Self-Check' quiz results page. At the top, a green banner reads 'Congratulations! You passed!' with a checkmark icon, 'TO PASS 80% or higher', and a 'Keep Learning' button. The 'GRADE' is '100%'. Below this, the title 'Self-Check' is followed by 'TOTAL POINTS 2'. The first question is '1. Trust in a decentralized blockchain is about \_\_\_\_.' with a '1 / 1 point' indicator. The options are: 'securing the chain using specific protocols.', 'validating the transactions and blocks for tamper proofing.', 'executing and confirming the transactions.', and 'All of the above'. The 'All of the above' option is selected and marked as 'Correct' with a green checkmark. The second question is '2. Miners execute the transactions for Ether transfers but are not responsible for the execution of smart contracts. True or False?' with a '1 / 1 point' indicator. The browser's taskbar at the bottom shows various application icons and the system clock at 8:09 PM.

## Coding Challenges Details:

### Program 1

This is output of python program for Common divisors of two numbers.



The screenshot shows a web browser window with the URL `onlinegdb.com/online_c_compiler`. The page displays a Python program in a dark-themed editor. The program prompts the user to enter two numbers, `a` and `b`, and then prints the common divisors. The output shows that for `a=6` and `b=12`, the common divisors are 1, 2, 3, and 6. The program finishes with exit code 0.

```
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 a = int(input('Enter a: '))
10 b = int(input('Enter b: '))
11 n = 0
12 for i in range(1, min(a, b)+1):
13     if a%i==0 and b%i==0:
14         n+=1
15 print(n)
```

Input:

```
Enter a: 6
Enter b: 12
4

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

Refer GitHub for detailed Information:

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

This Report is also available in:

<https://github.com/nandithashetty/DAILY-STATUS/blob/master/20-07-2020/Daily-Report20-7-2020.pdf>