

## DAILY ONLINE ACTIVITIES SUMMARY

<b>Date:</b>	21-07-2020	<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>	Pre-placement Training on - Advanced Java		
<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 “**Consensus Protocol**” and took quiz on this lesson.

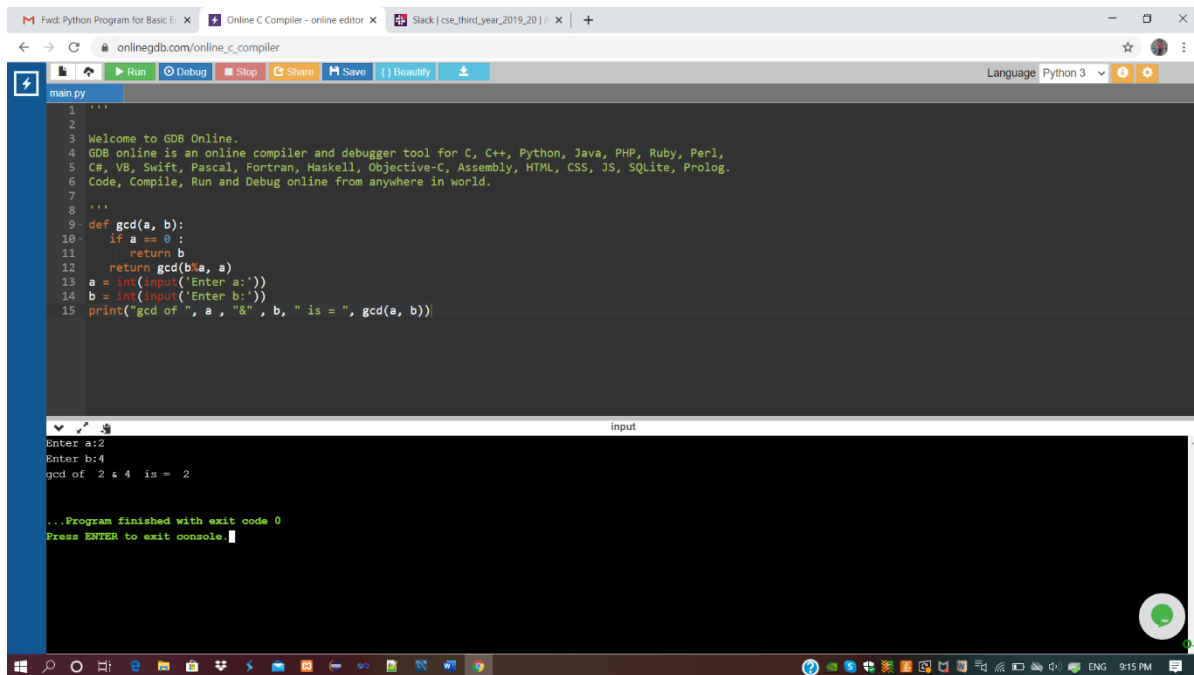
The screenshot shows the Coursera interface for the 'Consensus Protocol' video. The browser tabs include 'Nanditha R Shetty: Alvas Institut...', 'Coursera for Students | Coursera', 'Consensus Protocol - Univer...', and 'Slack | cse\_third\_year\_2019\_20'. The address bar shows 'coursera.org/learn/blockchain-basics/lecture/SooBK/consensus-protocol'. The Coursera logo and user profile 'Nanditha R Shetty' are visible. The video title is 'Consensus Protocol'. The video content shows a diagram titled 'Proof of Work' with a flowchart: '00101' and '11001' are shown with arrows pointing to a box labeled 'Validate Tx'. This box points to 'Verify Gas and Resources', which points to 'Execute Tx', which finally points to 'Form Block: Consensus Process (Proof of Work)'. The left sidebar lists course content: 'Decentralized Systems', 'Consensus Protocol' (with video, practitioner's perspective, reading, and practice quiz), 'Robustness', 'Forks', 'Week 4 Evaluation: Trust Essentials', 'Final Course Project', and 'Blockchain Basics: Key Takeaways'. The bottom of the video player has 'Save Note', 'Discuss', and 'Download' buttons.

The screenshot shows the 'Self-Check' quiz results page on Coursera. The browser tabs include 'Nanditha R Shetty: Alvas Institut...', 'Coursera for Students | Coursera', 'Self-Check | Coursera', and 'Slack | cse\_third\_year\_2019\_20'. The address bar shows 'coursera.org/learn/blockchain-basics/quiz/gp029/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 'TO PASS 80% or higher' and a 'Keep Learning' button. The 'GRADE' is '100%'. Below the banner, the title 'Self-Check' is followed by 'TOTAL POINTS 2'. The first question is '1. Proof of work is the \_\_\_\_\_ used by Bitcoin blockchain and Ethereum Byzantium Metropolis blockchain.' with a '1 / 1 point' indicator. The options are: 'Incentive function', 'Trust function', 'Consensus Protocol' (selected), and 'Transaction confirmation'. A green box below the options says 'Correct Correct!'. The second question is '2. An approach for consensus protocol that is hotly debated among developers of blockchain is' with a '1 / 1 point' indicator. The option 'Proof of Incentive' is visible.

## Coding Challenges Details:

### Program 1

This is output of python program for Basic Euclidean Algorithms.



The screenshot shows a web browser window with the URL `onlinegdb.com/online_c_compiler`. The page displays a Python program for calculating the Greatest Common Divisor (GCD) using the Euclidean algorithm. The code 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 gcd(a, b):
10     if a == 0 :
11         return b
12     return gcd(b%a, a)
13 a = int(input('Enter a:'))
14 b = int(input('Enter b:'))
15 print("gcd of ", a, "&", b, " is = ", gcd(a, b))
```

The output of the program is shown in the console area:

```
input
Enter a:2
Enter b:4
gcd of 2 & 4 is = 2

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

Refer GitHub for detailed Information:

<https://github.com/nandithashetty/DAILY-STATUS/tree/master/21-07-2020/ONLINE%20CODING>

This Report is also available in:

<https://github.com/nandithashetty/DAILY-STATUS/blob/master/21-07-2020/Daily-Report21-7-2020.pdf>

## Online Test Details:

10:30 4G+ VO LTE



Swings

# Swings

Your response has been recorded.

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