

DAILY ONLINE ACTIVITIES SUMMARY

Date:	08-07-2020	Name:	Nanditha.R.Shetty
Sem & Sec	6 th sem, 'A' sec	USN:	4AL17CS054
Online Test Summary			
Subject	Cloud and Infrastructure Management		
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 started module 2 (Ethereum Blockchain)

- completed smart contract lesson and took quiz on this lesson.

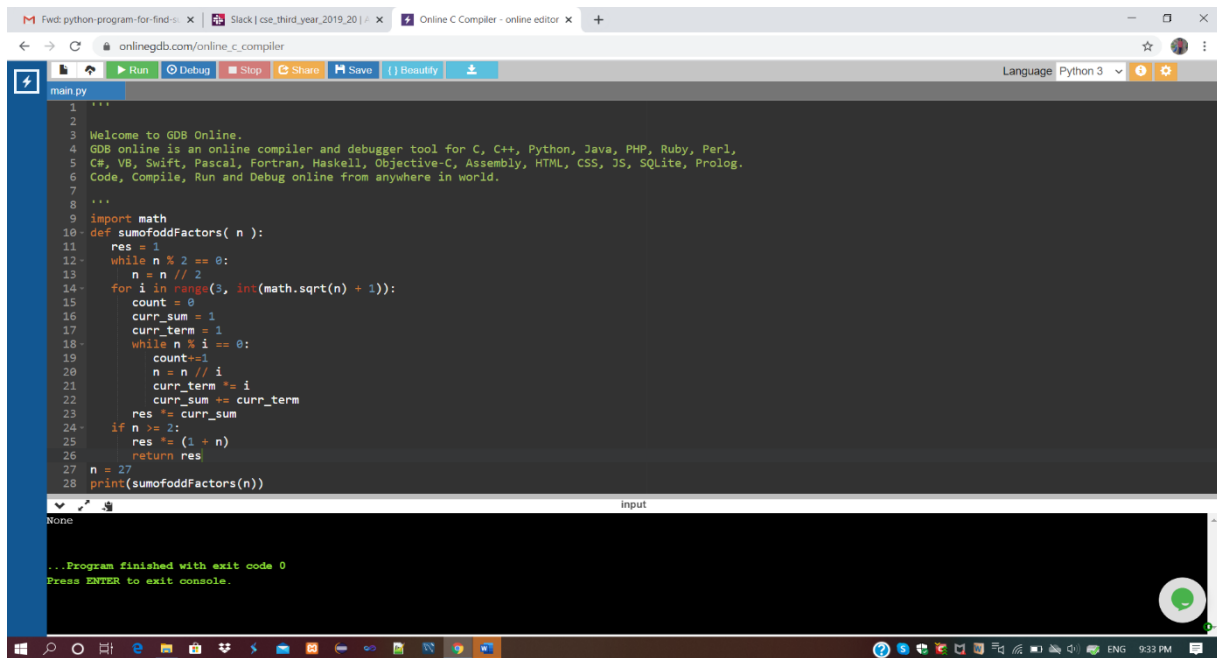
The screenshot shows the Coursera interface for the course 'Ethereum Blockchain: Smart Contracts'. The left sidebar lists the course content: 'Smart Contracts' (with a video, reading, and practice quiz), 'Ethereum Structure', 'Ethereum Operations', 'Incentive Model', and 'Week 2 Evaluation: Ethereum Blockchain'. The main content area displays a diagram titled 'Ethereum Blockchain: Smart Contracts' comparing the 'Bitcoin Stack' and the 'Ethereum Stack'. The Bitcoin Stack includes 'Wallet/Exchange Applications', 'Bitcoin Blockchain Protocol/Operations', and 'Peer-to-Peer Network and Operating Systems'. The Ethereum Stack includes 'Verticals: End User Applications', 'Application Framework: Smart Contracts', and 'Ethereum Blockchain and Ethereum Virtual Machine'. Both stacks are built on 'Hardware'.

The screenshot shows the 'Self-Check' quiz results page. At the top, a green banner reads 'Congratulations! You passed!' with a 'Keep Learning' button and a 'GRADE 100%' indicator. Below this, the 'Self-Check' title is followed by 'TOTAL POINTS 2'. The first question is: 'What allows for the execution of code in the Ethereum Blockchain, while enhancing the basic value transfer capability of the Bitcoin Blockchain?'. The options are: 'Solidity', 'Ethereum Virtual Machine Proof-of-Work', 'Smart Contracts' (selected), and 'Byte-code'. A green box indicates 'Correct' with the explanation: 'Correct! A Smart Contract is a piece of code deployed in the Blockchain node. Execution of a smart contract is initiated by a message embedded in a transaction'. The second question is partially visible: 'Solidity has data, functions or methods with modifiers, along with getter and setter functions. True or False?'. The page shows a score of 1/1 point for the first question.

Coding Challenges Details:

Program 1

This is output of python program for finding sum of odd factors of a number.



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 defines a function `sumofoddFactors(n)` that calculates the sum of odd factors of a given number `n`. The function uses a loop to iterate over odd numbers from 1 to \sqrt{n} and checks if they are factors. If they are, it adds them to the sum. The program then calls the function with `n = 27` and prints the result.

```
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  import math
10 def sumofoddFactors( n ):
11     res = 1
12     while n % 2 == 0:
13         n = n // 2
14     for i in range(3, int(math.sqrt(n) + 1)):
15         count = 0
16         curr_sum = 1
17         curr_term = 1
18         while n % i == 0:
19             count += 1
20             n = n // i
21             curr_term *= i
22             curr_sum += curr_term
23         res *= curr_sum
24     if n == 2:
25         res *= (1 + n)
26     return res
27 n = 27
28 print(sumofoddFactors(n))
```

The output console shows the message: `...Program finished with exit code 0` and `Press ENTER to exit console.`




Refer GitHub for detailed Information:

<https://github.com/nandithashetty/DAILY-STATUS/tree/master/8-07-2020/ONLINE%20CODING>

This Report is also available in:

<https://github.com/nandithashetty/DAILY-STATUS/blob/master/8-07-2020/Daily-Report8-7-2020.pdf>

Online Test Details:

10:15 4G LTE VO LITE   




Cloud Computing Quiz-1

Cloud Computing Quiz-1

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10:52 4G LTE VO LITE   

Cloud Computing Quiz-2

Cloud Computing Quiz-2

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