

DAILY ONLINE ACTIVITIES SUMMARY

Date:	15-07-2020	Name:	Nanditha.R.Shetty
Sem & Sec	6 th sem, 'A' sec	USN:	4AL17CS054
Online Test Summary			
Subject	OR Descriptive IA 1		
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 completed “**Hashing**” lesson and took quiz on this Lesson.

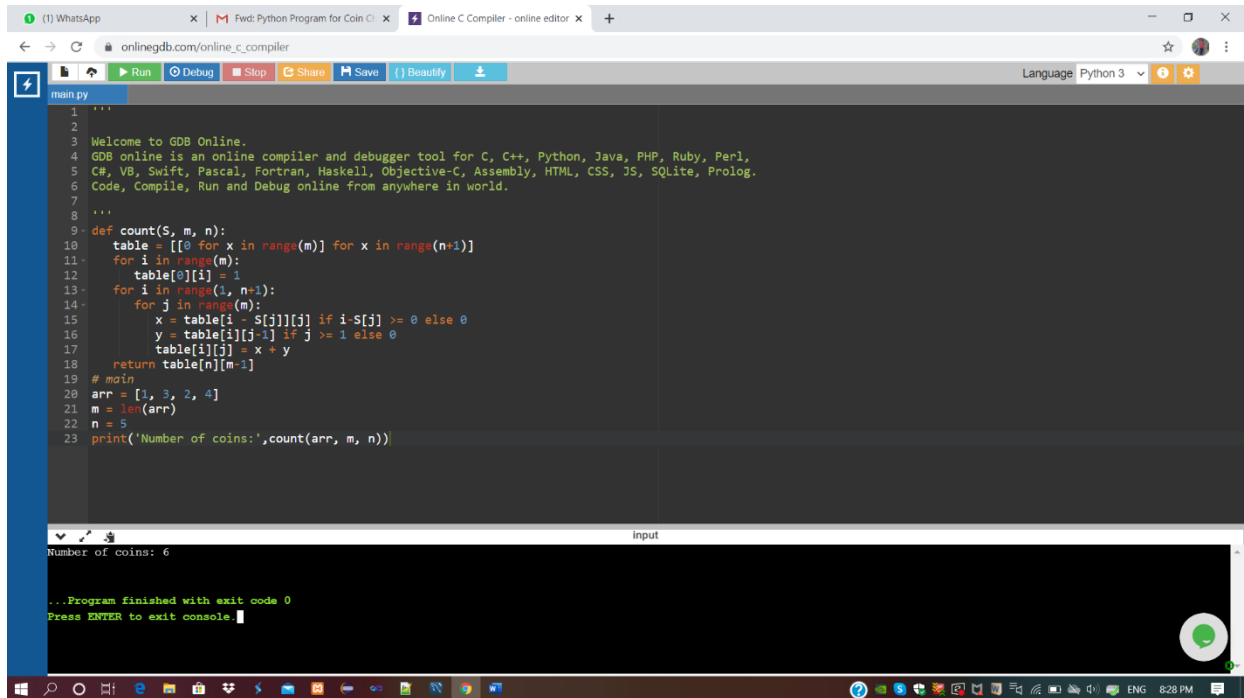
The screenshot shows a web browser window with multiple tabs. The active tab is 'Hashing - University at Buffalo'. The address bar shows the URL 'coursera.org/learn/blockchain-basics/lecture/CQv55/ hashing'. The Coursera logo and the user's name 'Nanditha R Shetty' are visible in the top navigation bar. The main content area displays a video player titled 'Hashing'. The video is paused at 0:49 / 5:54. The video shows a woman with dark hair and glasses, wearing a red turtleneck, speaking. To the left of the video player is a sidebar with a table of contents. The sidebar lists 'Public-Key Cryptography' as the main category, with 'Hashing' as the current sub-category. Under 'Hashing', there are three items: 'Video: Hashing' (5 min), 'Reading: (OPTIONAL) Resources: Hashing' (30 min), and 'Practice Quiz: Self-Check' (4 questions). Below these, the sidebar lists 'Transaction Integrity', 'Securing Blockchain', and 'Week 3 Evaluation: Algorithms & Techniques'. The video player has controls for play/pause, volume, and a progress bar. Below the video player are buttons for 'Save Note', 'Discuss', and 'Download'.

The screenshot shows a web browser window with the URL 'coursera.org/learn/blockchain-basics/quiz/WCYbN/self-check/attempt?redirectToCover=true'. The page title is 'Self-Check' and it indicates 'Practice Quiz • 30 min'. A large green banner at the top says 'Congratulations! You passed!' with a checkmark icon. Below this, it says 'TO PASS 80% or higher'. To the right of the banner, there is a blue button labeled 'Keep Learning' and a box showing 'GRADE 100%'. Below the banner, the section is titled 'Self-Check' with 'TOTAL POINTS 4'. The first question is '1. What is one of the requirements of secure hashing function?' with a '1 / 1 point' indicator. The question has four radio button options: 'It is log function', 'It is an ECC function', 'It is a secret function', and 'It is a one way function'. The 'It is a one way function' option is selected. Below the options, a green box with a checkmark icon says 'Correct Correct!'. The second question is '2. What type of hash is used when there is a fixed number of items to be hashed, such as the items in a block header, and we are verifying the composite block integrity?' with a '1 / 1 point' indicator.

Coding Challenges Details:

Program 1

This is output of python program for coin change



The screenshot shows a web browser window with the URL `onlinegdb.com/online_c_compiler`. The browser has several tabs open, including 'Fwd: Python Program for Coin C...', 'Online C Compiler - online editor', and 'WhatsApp'. The online editor interface shows a Python program for calculating the number of coins for a given amount. 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 count(S, m, n):
10     table = [[0 for x in range(m)] for x in range(n+1)]
11     for i in range(m):
12         table[0][i] = 1
13     for i in range(1, n+1):
14         for j in range(m):
15             x = table[i - S[j]][j] if i-S[j] >= 0 else 0
16             y = table[i][j-1] if j >= 1 else 0
17             table[i][j] = x + y
18     return table[n][m-1]
19
20 # main
21 arr = [1, 3, 2, 4]
22 m = len(arr)
23 n = 5
24 print('Number of coins:', count(arr, m, n))
```

The output of the program is displayed in the console window at the bottom:

```
Number of coins: 6

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

Refer GitHub for detailed Information:

<https://github.com/nandithashetty/DAILY-STATUS/tree/master/15-07-2020/ONLINE%20CODING>

This Report is also available in:

<https://github.com/nandithashetty/DAILY-STATUS/blob/master/15-07-2020/Daily-Report15-7-2020.pdf>