

DAILY ONLINE ACTIVITIES SUMMARY

Date:	20-07-2020	Name:	Chethana j
Sem & Sec	VI Sem A	USN:	4AL17CS022
Pre-placement Training Summary			
Subject			
Max. Marks	-	Score	-
Online Certification Summary			
Course	Python Data Structures		
Certificate Provider	Coursera	Duration	7 week
Coding Challenges			
Problem Statement: Python Program for Maximum height when coins are arranged in a triangle			
Status: Completed			
Uploaded the report in Github		Yes	
If yes Repository name		https://github.com/Jchethana1990/online-course https://github.com/Jchethana1990/Machine-learning-workshop	
Uploaded the report in slack		Yes	

Online Certification Details:

The screenshot shows a web browser displaying a Coursera lecture slide titled "File Handle as a Sequence". The slide is part of a course on "Python Data Structures" and is labeled "7.2 - Processing Files". The slide content includes a list of bullet points and a code snippet. The bullet points are: "A file handle open for read can be treated as a sequence of strings where each line in the file is a string in the sequence", "We can use the for statement to iterate through a sequence", and "Remember - a sequence is an ordered set". The code snippet is:

```
xfile = open('mbox.txt')
for cheese in xfile:
    print(cheese)
```

 The slide also features a "Save Note" button, a "Discuss" button, and a "Download" button. On the left side of the slide, there is a sidebar with a list of lecture materials, including "Video: 7.1 - Files", "Video: 7.2 - Processing Files", "Review: Chapter 7", "Quiz: Chapter 7 Quiz", "Assignment: Chapter 7", "Graded External Tool: Assignment 7.1", "Videos: Demonstration: Worked Exercise 7.1", "Graded External Tool: Assignment 7.2", "Reading: Where is the 7.2 worked exercise?", and "Bonus: Chapter 7". On the right side of the slide, there is a notification box that says "Your computer's timezone does not seem to match your Coursera account's timezone setting of America/Los_Angeles. (Change your Coursera timezone setting)".

Coding Challenges Details:

1. Python Program for Maximum height when coins are arranged in a triangle.

```
main.py
1 def squareRoot(n):
2     x = n
3     y = 1
4
5     e = 0.000001
6     while (x - y > e):
7         x = (x + y) / 2
8         y = n/x
9     return x
10 def findMaximumHeight(N):
11     n = 1 + 8*N
12     maxH = (-1 + squareRoot(n)) / 2
13     return int(maxH)
14 N = 12
15 print("Maximum Height is:\n",findMaximumHeight(N))
16
```

input

Maximum Height is:

4