

DAILY ONLINE ACTIVITIES SUMMARY

Date:	20-07-2020	Name:	M.C Suchithra Heggade
Sem & Sec	VI Sem A	USN:	4AL17CS047
Pre-placement Training Summary			
Subject	OS IA 2		
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/Suchitraheggade/certification-on-Online-coding	
Uploaded the report in slack		Yes	

Online Certification Details:

courses.org/learn/python-data/lecture/KG6Mz/7.2-processing-files

coursera

python Data Structures > Week 3 > 7.2 - Processing Files

Lecture Materials

- Video: 7.1 - Files 8 min
- Video: 7.2 - Processing Files 11 min

Review: Chapter 7

- Quiz: Chapter 7 Quiz 10 questions

Assignment: Chapter 7

- Graded External Tool: Assignment 7.1 1h
- Video: Demonstration: Working Exercise 7.1 8 min
- Graded External Tool: Assignment 7.2 1h
- Reading: Where is the 7.2 worked exercise? 10 min

Bonus: Chapter 7

7.2 - Processing Files

Files - Part 2

File Handle as a Sequence

- 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**
- Remember - a **sequence** is an ordered set

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

Save Note Discuss Download

Switch

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