**Python training Notes:**

**Course Name:** **SCRIPT 307: Basic Python**

**This is Part 1 of the whole training in the duration 17 to 31 July**

**This will be followed with next Part 2 session for Intermediate Python topics in the month of August.**

**Day 7: 25 Jul 2018 - Wednesday (2 Hrs Session)**

**Expectation Setting ASL (Assisted Self-Learning) 2Hrs session daily**

**And then do self-study and hands on assignments from below learning course link and the assignments given below here in this document:**

<https://knowledgecenter.persistent.co.in/ViewCourse/pmoc>

***Please visit the following URL to view the collaborative learning group***

<https://persistentuniversity.persistent.co.in/CollaborativeLearningGroup/view.aspx?SkillId=9144>

**Topics Covered:**

File Handling

**\*\*\*\*\*To Do for Day 7:**

Nugget 1 : Introduction to Python & Python Fundamentals

Nugget 2 : Python Basics

Nugget 3 : Python Control Structures

Nugget 4 : Functions & Modules

Subjective Assignment for Nugget 1 to 3 : Only for self Practice

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1. Complete reading these 4 Nuggets from <https://knowledgecenter.persistent.co.in/ViewCourse/pmoc>

2. Please execute all codes in these 4 Nuggets

3. Start solving assignment at the end of Nuggets

\*\*Also read the Python documentation for the topics covered till date.

**Try Below Codes:**

**File Handling**

**1\_fileopen.py**

f = open("myfile.txt", "w") #file object created in write mode

print dir(f)

print "-------------------------------------------------------------------"

f.write("AAAAAAAA\n")

f.close();

**3\_file\_read\_inloop.py**

f = open('data.txt')

while True:

char = f.read(1)

if not char: break

print char

f.close()

#as opposed to

#for char in open('test.txt').read():

# print char

**5\_FileWritre1.py**

f=open('target.txt','w')

print f.tell()

f.write('PSL')

print f.tell()

f.close()

**6\_file\_seek.py**

f = open('target.txt', "w")

f.write("hello World\n")

f.close()

f = open("myfile.txt")

while True:

str = f.readline()

if str:

print str

else:

break

print "----------------------------------------------"

f.seek(5) #absolute positioning with context to start of your file

print f.read()

f.close()

**Assignments to do:**

**File Handling : Country.txt file :**

1. **Count of languages:**

**Read Country.txt file**

Store the Country data only for Language and its count in a dictionary.

Display the o/p in below 2 formats -

>>>

**Portuguese 1**

**Franch 4**

**Chinese 1**

**Vietnamese 1**

**German 1**

**English 5**

**Japanese 1**

**Greek 1**

**Indian 1**

**Spanish 3**

**Arabic 2**

**Hungerian 1**

**Italian 1**

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**{'Portuguese': 1, 'Franch': 4, 'Chinese': 1, 'Vietnamese': 1, 'German': 1, 'English': 5, 'Japanese': 1, 'Greek': 1, 'Indian': 1, 'Spanish': 3, 'Arabic': 2, 'Hungerian': 1, 'Italian': 1}**

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