****

**Workshop 12** – CS3101 [22/23 YEAR]

**Task 1: Individual**

Finish reading Chapter 05, page **158-167 (File Processing)** and including the chapter summary to refresh your memory on what we’ve covered in Chapter 05 (Sequences: Strings, Lists & Files).

Try run the programs found within and complete all chapter tasks.

**Task 2: In-Group**

1. Write a function in python to read the content from a text file "poem.txt" line by line and display the same on screen.
2. Write a function in Python to count and display the total number of words in a text file.
3. Write a function in python to count the number of lines from a text file "story.txt" which is not starting with an alphabet "T".

Example: If the file "story.txt" contains the following lines: A boy is playing there.

There is a playground.

An aeroplane is in the sky.

The sky is pink.

Alphabets and numbers are allowed in the password.

The function should display the output as 3

1. Write a function display\_words() in python to read lines from a text file "story.txt", and display those words, which are less than 4 characters.
2. Write a function in Python to count uppercase character in a text file.

*Questions and answers for the above tasks:* [*https://www.pyforschool.com/assignment/file-handling.html*](https://www.pyforschool.com/assignment/file-handling.html)

**Task 3: Individual**

* Write a Python program to read an entire text file.
* Write a Python program to read first n lines of a file.
* Write a Python program to append text to a file and display the text.
* Write a Python program to read last n lines of a file.
* Write a Python program to read a file line by line and store it into a list.
* Write a Python program to read a file line by line store it into a variable.
* Write a Python program to read a file line by line store it into an array.
* Write a python program to find the longest words.
* Write a Python program to count the number of lines in a text file.
* Write a Python program to count the frequency of words in a
* Write a Python program to get the file size of a plain file.

*More tasks as well as solutions can be found here: (*[*https://www.w3resource.com/python-exercises/file/*](https://www.w3resource.com/python-exercises/file/)*)*

**Task 4: Individual**

Complete your weekly progress test.

**Be proactive, take notes during discussions and explanations and ask questions. We are here to help.**