ASSIGNMENT – 4 [File and Exception handling]

1. Read a text file clean all the special characters, numbers from it using regular expression. <import re>
2. Read a text file, take only the lines appeared at odd number, and copy them to another file.

Hint:

* 1. Read the file line by line
  2. Take odd numbered lines and copy it

1. Write a python program to find the longest words

Hint:

* + 1. Read file , split words
    2. Check the length of the words
    3. Rank the lengths

1. Read a file and remove the stop words given in the list below –

stopword = [‘a’,’an’,’the’,’this’,’that’,’I’,’we’, ‘at’, ’then’,’before’,’after’,’by’,’alright’]

1. Write a Python program to remove newline characters from a file.
2. Write a Python program to read first 5 lines of a file.
3. Read the CSV file and take only the “Text” contents. And clean them by removing numbers, special characters and stop word removal. Stop words list is same as question number 4.
4. Write a code for handling SyntaxError, ValueError, TypeError. Create a situation in your program such that List of built-in error you can find here - <https://docs.python.org/3.4/library/exceptions.html>
5. Write code to read an Excel file. Create a file of your choice so that all part of the question can be answered. Extract the 3rd and 4th columns of sheet 2. Check if all the elements are numeric. Take the average of all the numeric values of each column. However, always raise an alert when a nonnumeric value is encountered.
6. Read any ipnyb file and extract the python code. (Make sure that you open the ipnyb file and observe what all are to be removed). Keep the code in a text file with extension py. Run the new file in idle. Handle the syntax error in the new file.