# This program reads a text file. It removes all punctuations then

# shows the total word count, the total of all word lengths,

# and the average word length.

##

# Written By: Samuel Graham

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##

try :

# open the file

inputFile = open("C:\\Test\\shrimps.txt", "r")

# accumulator for word count

wordCount = 0

# accumulator for word lengths

totalOfWordLengths = 0

# punctuation characters

punctuations = '''!()-[]{};:'"\,<>./?@#$%^&\*\_~'''

# iterate the file by line

for line in inputFile :

# create a list of words in each. white space delimeter

wordList = line.split()

# iterate the word list

for word in wordList :

wordCount += 1

# to remove punctuations only before and after words use

# strippedWord = word.strip(",.'\"!?:") // not sufficient

# this loop iterates each character in word and

# removes punctuations including those within

# words (e.g doesn't, can't, won't) // more efficient

strippedWord = ""

for char in word:

if char not in punctuations:

strippedWord = strippedWord + char

totalOfWordLengths += len(strippedWord)

print("File Results (punctuations removed): \n")

print("\tTotal number of words:", wordCount)

print("\tTotal of all word lengths:", totalOfWordLengths)

print("\tAverage word length:", (totalOfWordLengths/wordCount), "\n")

except IOError :

print("Error File Not Found")

finally :

inputFile.close()

**Output:**

