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# Project:      Mike Counts Word (McConeAndyLab03Sec02Ver03.py)
# Name:         Mike Vo
# Date:         02/10/17
# Description:  This program counts the number of lines, words (strings
of
#               characters separated by blanks or new lines), and
characters
#               in a file (not including blank spaces between words).

def main():

    ### Display main header (in shell) ###
    print( "#####" )
    print( "#           Mike Vo - CSC110 HY02 Lab06           #" )
    print( "#                               Ver. 01                               #" )
    print( "#####\n" )

    # User inputs file to read
    strInFileName = str(input("Enter input file: "))

    try:

        # Open file for reading
        inFile = open(strInFileName, "r")

        # Notify reading in process
        print("\nReading file: \"" + strInFileName + "\"")

        # Initialize counting variables
        intLineCount = 0
        intWordCount = 0
        intCharacterCount = 0

        # Read through each line in file
        for strLine in inFile:

            # Accumulate to counting variables
            intLineCount += 1
            intWordCount += len(strLine.split())
            for strWord in strLine.split():
                intCharacterCount += len(strWord)

        # Close file
        inFile.close()

        # Display output to shell
        print("\nLines           :", intLineCount)
        print("Words           :", intWordCount)
        print("Characters (no spaces):", intCharacterCount)

        # Notify user if file not found
    except FileNotFoundError:
        print("\nERROR: File \"" + strInFileName + "\" not found")

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main()
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"""
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TEST DATA
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"quotes.txt"
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```
Call me Ishmael.
```

```
Many years later, as he faced the firing squad
```

```
It was a bright cold day in April, and the clocks were striking thirteen.
```

```
If you really want to hear about it, the first thing you'll probably want  
to know is where I was born
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```
Whether I shall turn out to be the hero of my own life, or whether that  
station will be held by anybody else, these pages must show.
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```
5 lines
```

```
74 words
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```
299 characters (no spaces)
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"""
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