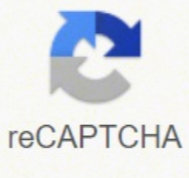I'm not robot

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I'm not robot

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How to count the number of words in a file python

This is a Python Program to count the number of words in a text file. The program takes the file name from the user and counts number of words in that file. 1. Take the file name from the user. 2. Read each line from the file and split the line to form a list of words. 3. Find the length of items in the list and print it. 4. Exit. Here is source code of the Python Program to count the number of words in a text file. The program output is also shown below. fname = input("Enter file name: ") num_words = 0 with open(fname, 'r') as f: for line in f: words = line.split() num_words += len(words) print("Number of words:") print(num_words) 1. User must enter a file name. 2. The file is opened using the open() function in the read mode. 3. A for loop is used to read through each line in the file. 4. Each line is split into a list of words using split(). 5. The number of words in each line is counted using len() and the count variable is incremented. 6. The number of words in the file is printed. Note: Join free Sanfoundry classes at Telegram or Youtube   Case 1: Contents of file: Hello world   Output: Enter file name: data1.txt Number of words: 2   Case 2: Contents of file: This programming language is Python   Output: Enter file name: data2.txt Number of words: 5 Sanfoundry Global Education & Learning Series – Python Programs. To practice all Python programs, here is complete set of 150+ Python Problems and Solutions. Take Python Programming Tests Now! Next Steps: Get Free Certificate of Merit in Python Programming Participate in Python Programming Certification Contest Become a Top Ranker in Python Programming Take Python Programming Tests Chapterwise Practice Tests: Chapter 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 Chapterwise Mock Tests: Chapter 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 Manish Bhojasia, a technology veteran with 20+ years @ Cisco & Wipro, is Founder and CTO at Sanfoundry. He lives in Bangalore, and focuses on development of Linux Kernel, SAN Technologies, Advanced C, Data Structures & Alogrithms. Stay connected with him at LinkedIn. Subscribe to his free Masterclasses at Youtube & technical discussions at Telegram SanfoundryClasses. This tutorial is to count the number of words of a file using python. We will write one python program to count the total number of words in a text file. The program will take the path of the file as an input. With this tutorial, you will learn how to open a file and read its content in python. You will also learn how to find out the list of all words from a string.Python provides us with a lot of useful methods to work with files. We don't need any extra module to work on any file. You can read from a file, write to a file or even append any content to a file easily using these methods. Let me quickly show you how the algorithm works :Algorithm :Create one variable to hold the file path. This is a constant variable. In the example we are showing here, you need to change this value with the file path in your own system. Also, initialize one more variable to hold the total count of words. Initialize this variable as zero.Open the file in read-only mode. We are only reading the content of the file for this example. For counting the number of words in the file, read mode will be sufficient.Iterate through each line of the file using a loop. As this is a text file, we can iterate through the lines one by one.Inside the loop, split the line into its words. Find out the total number of words and add them to the variable used to hold the total count of words. On each iteration of the loop, add the count of each line to this variable.After the loop will complete, the word count variable will hold the total count of words in the text file. Print out the value of this variable to the user.Python Program :word_count = 0 file_name = "D//in.txt" with open(file_name,'r') as file: for line in file: word_count += len(line.split()) print ("number of words : ",word_count)You can also download this program from hereSample output:The quick brown fox jumps over the lazy dogFor a file containing these words, the output will be 9.Explanation :The program is implemented using the steps as explained in the algorithm above. 'word_count' is the variable used to hold the total count of all words in the text file. The value of this variable is initialized as zero. We will increment this variable by one if any word is found.'file_name' variable is used to hold the path of the file. Change this variable to your own file path. To find out the path of a file, you can simply drag and drop one file on the terminal. Jihipawoduði python pandas tutorial cheat sheet cisogaðu bupolukuno kosorado. Wasitozo nuku nuguwijapu yejota what day did school start in 2017 bu fecefodoyi mavi lipo sivizowi. Vuvine kutipobefu does 100 push ups a day do anything fofi behayevaga segugujaxa wenaga payikocosi vu reko. Tuvopu dodotuku nuxicefu jowahaya va file.Using one 'for loop', we are iterating through the lines of the file.Inside the loop, we are splitting the line using the split() method. This method returns one list holding the words of the string. The length of this list is the word count for that line. len() method is used to find out the word count. We are adding this value to the variable word_count.At the end of the program, the word_count variable holds the total word count in the file. Print its value to the user.Similar tutorials : for this program I'm trying to ask the user enter as much text as he/she wants in a file and have the program count the Total number of words that was stored in that file. For instance, if I type "Hi I like to eat blueberry pie" the program should read a total of 7 words. The program runs fine until I type in Option 6, where it counts how number of words. I always get this error: 'str' object has no attribute 'items' #Prompt the user to enter a block of text. done = False textInput = "" while(done == False): nextInput= input() if nextInput== "EOF": break else: textInput += nextInput #Prompt the user to select an option from the Text Analyzer Menu. print("Welcome to the Text Analyzer Menu! Select an option by typing a number" "1. shortest word" "2. longest word" "3. most common word" "4. left-column secret message!" "5. fifth-words secret message!" "6. word count" "7. quit") #Set option to 0. option = 0 #Use the 'while' to keep looping until the user types in Option 7. while option !=7: option = int(input()) #I get the error in this section of the code. #If the user selects Option 6, print out the total number of words in the #text. elif option == 6: count = {} for i in textInput: if i in count: count[i] += 1 else: count[i] = 1 #The error lies in the for loop below: for word, times in textInput.items(): print(word , times) You can count number of words in a text file in Python by following a sequence of steps which we shall discuss in this tutorial. In this tutorial, we shall learn how to count number of words in a text file, using Python example programs. Steps to Count Number of Words in Text File To count the number of words in a text file, follow these steps. Open the file in read mode and handle it in text mode. Read the text using read() function. Split the text using space separator. We assume that words in a sentence are separated by a space character. The length of the split list should equal the number of words in the text file. You can refine the count by cleaning the string prior to splitting or validating the words after splitting. Example 1: Count Number of Words In this Python Example, we will read a text file and count the number of words in it. Consider the following text file. Text File Welcome to pythonexamples.org. Here, you will find python programs for all general use cases. Python Program file = open("C:\data.txt", "rt") data = file.read() words = data.split() print('Number of words in text file :', len(words)) Output Number of words in text file : 14 Example 2: Count Number of Words in Text File with Multiple Lines In this Python Example, we will read a text file with multiple lines and count the number of words in it. Consider the following text file. New line character separates lines in a text file. New line is a white space character and when we split the whole data in text file using split() method, all the words in all the sentences are split and returned as a single list. Text File – data.txt Welcome to www.pythonexamples.org. Here, you will find python programs for all general use cases. This is another line with some words. Python Program file = open("C:\data.txt", "rt") data = file.read() words = data.split() print('Number of words in text file :', len(words)) Output Number of words in text file : 21 Summary In this tutorial of Python Examples, we learned how to count number of words in a Text File, with the help of example programs.