Reading and Writing to Files on Python

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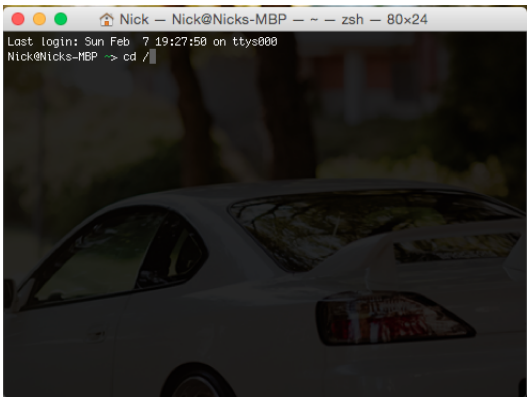
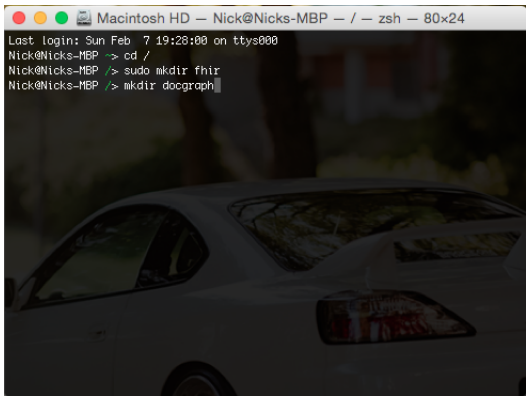
ALL SOURCE CODE WILL BE IN A PYTHON FILE CALLED : ReadingandWritingFiles.py

Mac and Linux Guide

1) Hold down Command + Space and type in *Terminal* and hit enter.
2) Once you have terminal open type *cd /*

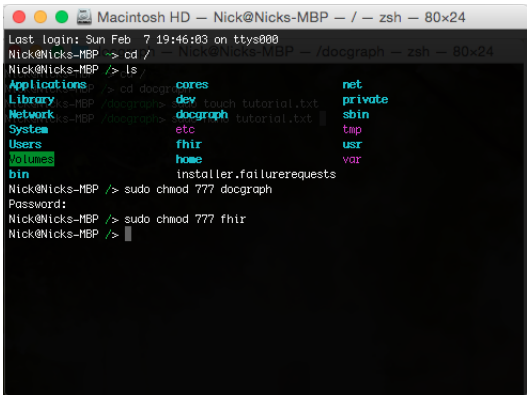


3) Then type *sudo mkdir docgraph* and hit enter. Terminal will then prompt you for your password. Type it in and hit enter.
4) Next type *sudo mkdir fhir* hit enter this time Terminal will not complain about your password.

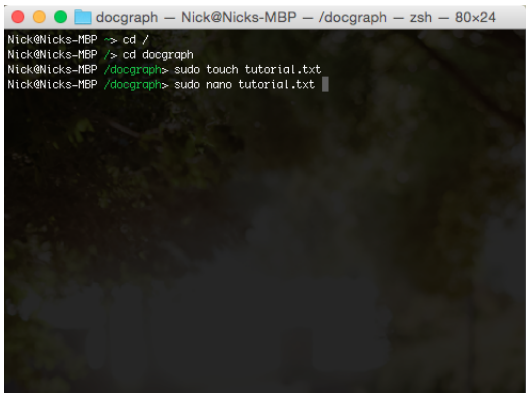


NOTE IF YOU SCREW UP TYPE *sudo rmdir *name of the folder you want to remove* AND TRY STEP 4 AGAIN!

5) Now we will change the permissions on the docgraph and fhir directorys because you do not have the permissions to read or write to them in their current state. To do this, type *sudo chmod 777 docgraph*, *sudo chmod 777 fhir*.



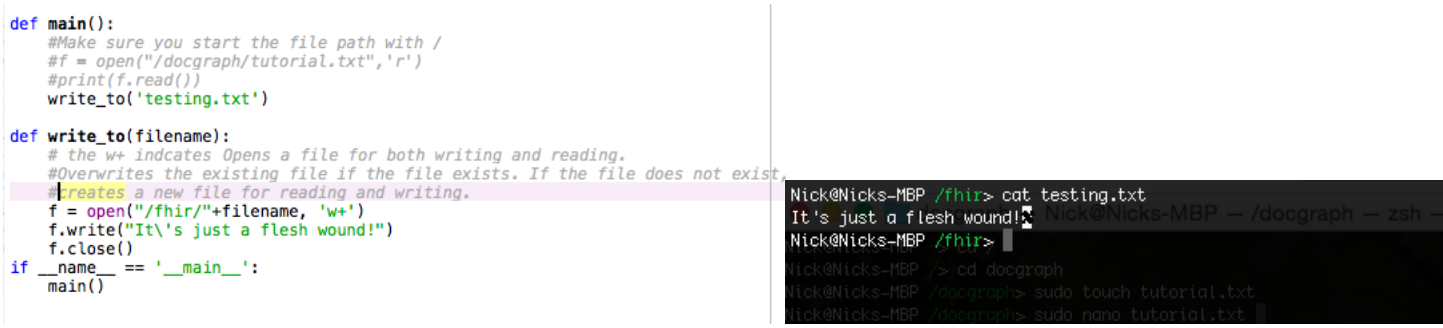
6) cd into docgraph and type *sudo touch tutorial.txt*.



7) Now we will create a test file so type *sudo nano tutorial.txt* and make your text file look like my screen shot below. Once you have done that hit control x, Y, Enter.

8) Fire up your favorite IDE for Python and type in what is in the screen shot below. Run it and check your results against the text file you created.

9) Now we are going to save a file to the fhir directory. Follow the screen shots below for what to type in the editor. Once you do that *cd into fhir and cat testing.txt*.

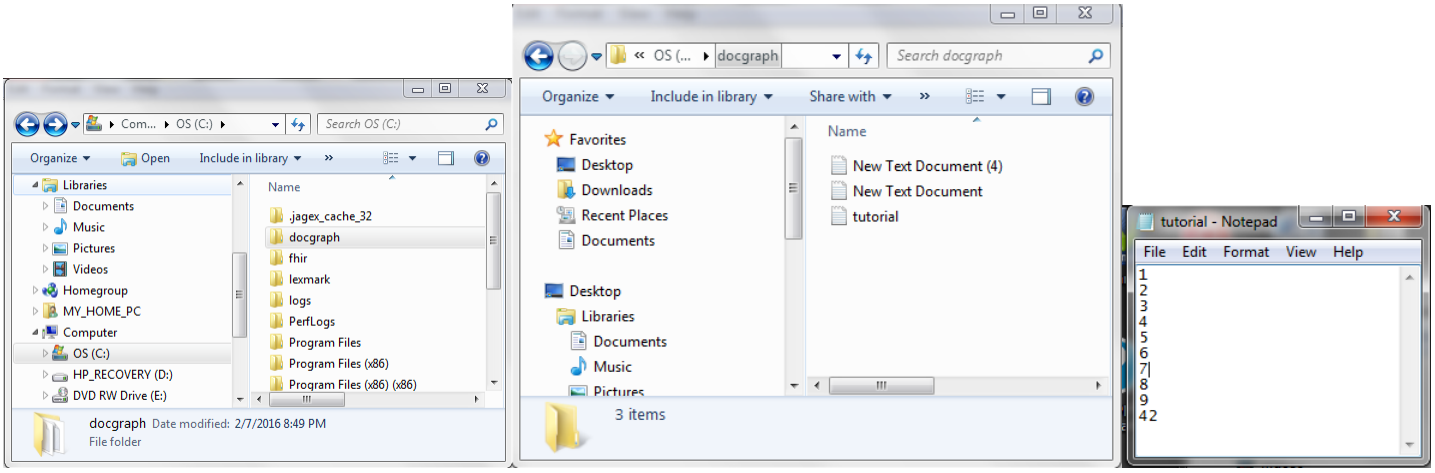


10) Congratulations you did it!

Windows

1) First open up your File Explore and Navigate to your C: drive and add the two folders *docgraph* and *fhir*. In the docgraph folder create a text document called tutorial in notepad containing the

same data from the screen shot.



2)Open up your favorite python IDE and copy the code from the screen shot.

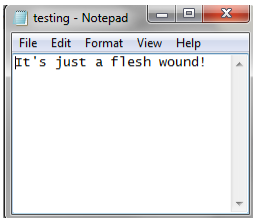
```
# -*- coding: utf-8 -*-
"""
Created on Sun Feb  7 19:39:46 2016

@author: Nick
"""

def main():
    #Make sure you start the file path with /
    f = open("/docgraph/tutorial.txt",'r')
    print(f.read())
    f.close()
    write_to('testing.txt')

def write_to(filename):
    # the w+ indcates   Opens a file for both writing and reading.
    #Overwrites the existing file if the file does not exist,
    #creates a new file for reading and writing.
    f = open("/fhir/"+filename, 'w+')
    f.write("It\'s just a flesh wound!")
    f.close()
if __name__ == '__main__':
    main()
```

3) Run the code and navigate to the fhir folder and check that there is a testing.txt. Check what's in the testing.txt file with the screen shot below.



4) Congratulations you did it!