

Following Links in Python

In this assignment you will write a Python program that expands on <http://www.py4e.com/code3/urllinks.py>. The program will use `urllib` to read the HTML from the data files below, extract the href= vaues from the anchor tags, scan for a tag that is in a particular position relative to the first name in the list, follow that link and repeat the process a number of times and report the last name you find.

We provide two files for this assignment. One is a sample file where we give you the name for your testing and the other is the actual data you need to process for the assignment

- Sample problem: Start at http://py4e-data.dr-chuck.net/known_by_Fikret.html
Find the link at position **3** (the first name is 1). Follow that link. Repeat this process **4** times. The answer is the last name that you retrieve.
Sequence of names: Fikret Montgomery Mhairade Butchi Anayah
Last name in sequence: Anayah
- Actual problem: Start at: http://py4e-data.dr-chuck.net/known_by_Carlos.html
Find the link at position **18** (the first name is 1). Follow that link. Repeat this process **7** times. The answer is the last name that you retrieve.
Hint: The first character of the name of the last page that you will load is: L

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Command Prompt
Microsoft Windows [Version 10.0.22000.856]
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C:\Users\miroy>cd "C:\Users\miroy\OneDrive\Desktop"

C:\Users\miroy\OneDrive\Desktop>"C:\Users\miroy\OneDrive\Desktop\followinglinks.py"
Enter URL - http://py4e-data.dr-chuck.net/known_by_Carlos.html
Enter number of repetitions: 7
Enter the link position: 18
Name- Lula

C:\Users\miroy\OneDrive\Desktop>_
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