Kennesaw State University Department of Computer Science CS 4720 Internet Programming Mohammad Umar Assignment 7

links.py

```
def get_links(url):
    import requests
    from bs4 import BeautifulSoup as soup
    result = requests.get(url)
    page = result.text
    doc = soup(page)
    links = [element.get('href') for element in doc.find_all('a')]
    return links

if __name__ == '__main__':
    import sys
    for url in sys.argv[1:]:
        print('Links in', url)
        for num, link in enumerate(get_links(url), start=1):
            print(num, link)
            print()
```

```
(venv) C:\Users\umarm\PycharmProjects\assignment_7>python links.py https://www.w3schools.com/
Links in https://www.w3schools.com/
links.py:6: GuessedAtParserWarning: No parser was explicitly specified, so I'm using the best available HTML parser for this system ("html.parser"). This usually isn't a problem, but i
f you run this code on another system, or in a different virtual environment, it may use a different parser and behave differently.
The code that caused this warning is on line 6 of the file links.py. To get rid of this warning, pass the additional argument 'features="html.parser"' to the BeautifulSoup constructor.
 doc = soup(page)
1 https://www.w3schools.com
2 javascript:void(0)
3 javascript:void(0)
4 javascript:void(0)
5 javascript:void(0)
6 https://profile.w3schools.com/log-in?redirect_url=https%3A%2F%2Fmy-learning.w3schools.com
7 https://courses.w3schools.com/
8 javascript:void(0)
9 javascript:void(0)
10 javascript:void(0)
11 javascript:void(0)
12 javascript:void(0);
13 javascript:void(0);
14 javascript:void(0);
15 /cert/default.asp
17 /html/default.asp
18 /css/default.asp
19 /bootstrap/bootstrap_ver.asp
20 /w3css/default.asp
21 /colors/default.asp
```

```
Terminal: Local 	imes oldsymbol{+}
(venv) C:\Users\umarm\PycharmProjects\assignment_7>python links.py https://www.kennesaw.edu/
Links in https://www.kennesaw.edu/
links.py:6: GuessedAtParserWarning: No parser was explicitly specified, so I'm using the best available HTML parser for this system ("html.parser"). This usually isn't a problem, but i
f you run this code on another system, or in a different virtual environment, it may use a different parser and behave differently.
The code that caused this warning is on line 6 of the file links.py. To get rid of this warning, pass the additional argument 'features="html.parser"' to the BeautifulSoup constructor.
 doc = soup(page)
1 https://www.kennesaw.edu
2 https://www.kennesaw.edu
3 https://www.kennesaw.edu/myksu/
4 https://www.kennesaw.edu/azindex/
5 https://www.kennesaw.edu/directories.php
6 https://www.kennesaw.edu/maps/
7 https://www.kennesaw.edu/apply.php
8 https://www.kennesaw.edu/visit.php
9 https://www.kennesaw.edu/give.php
10 https://www.kennesaw.edu/about
11 https://www.kennesaw.edu/academics.php
12 https://www.kennesaw.edu/admissions.php
13 https://www.kennesaw.edu/athletics.php
14 https://www.kennesaw.edu/campuslife.php
15 https://www.kennesaw.edu/research.php
16 https://www.kennesaw.edu/global.php
17 https://www.kennesaw.edu/about/
18 https://www.kennesaw.edu/academics.php
19 https://www.kennesaw.edu/admissions.php
20 https://www.kennesaw.edu/athletics.php
21 https://www.kennesaw.edu/campuslife.php
```