

**Kennesaw State University**  
**Department of Computer Science**  
**CS 4720 Internet Programming**  
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**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: GussedAtParserWarning: 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 if 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
16 https://shop.w3schools.com
17 /html/default.asp
18 /css/default.asp
19 /bootstrap/bootstrap_ver.asp
20 /w3css/default.asp
21 /colors/default.asp
```

