Bronco ID: | 0 | 1 | 5 | 2 | 6 | 2 | 6 | 2 | 4 |

Last Name: Nguyen

First Name: Loc

1a.
$$3 - 5 - 9 - 2 - 11 - 4 - 10 - 8 - 7 - 12$$

1b. Pages 1 and 6 would be located on the deep web because the seed URL of page 3 has no link pathway to access those two pages, which wouldn't be indexed.

1c.
$$3-5-9-1-2-11-6-4-10-8-7-12$$

1d. None of the pages will be located on the deep web with a new pathway added from seed URL of 3 to 1. This is because all the pages are reachable and will be indexed, leaving none that aren't indexed so nothing will be in the deep web.

```
2a. print(bs.title.get_text())
2b. print(bs.ol.get_attribute_list(",'To my friends'))
2c. print(bs.find('tr', {'class':'tutorial2'}).get_text())
2d. for text in bs.find_all('h2',string=re.compile("tutorial")):
    print(text.get_text())
2e. for text in bs.find_all(",string=re.compile("HTML")):
    print(text.get_text())
2f. print(bs.find('tr', {'class':'tutorial1'}).get_text())
2g. for image in bs.find_all('img'):
    print(image['src'])
```

- 3a. String "c" and "bac" will match b?a?c (start with 0 or 1 b, then 0 or 1 a, and end with c)
- 3b. String "ccca" and "a" will match c*a (start with 0 or more c, end with a)
- 3c. String "aca" and "acceca" will match ac+a (start with a, 1 or more c, end with a)
- 3d. String "Aaa" and "Caaa" will match [A-Z]a{2,3} (start with A-Z, end with 2-3 a)
- 3e. String "cac" and "cbc" will match c(a|b)c (start with c, pick a or b, end with c)
- 3f. String "0123456" and "98989898" will match $\d{2,2}\$ (start with 2 numbers 0-9, then 2 numbers 0-9, end with 2-4 numbers 0-9)
- 3g. String "0ab9" and "10" will match $\d(ab)$ * \d (start with any number 0-9, 0 or more ab, and end with any number 0-9)
- 3h. String "cbba" and "cba" will match ^cb+a (start with c, 1 or more b, end in a)

4.	4. https://github.com/Skyhorizon2021/CS4250/blob/n	naster/Assignment3/crawler.py	t <u>3/crawler.py</u>	

5.	https://github.com/Skyhorizon2021/CS4250/blob/master/Assignment3/parser.py		