HW3

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HW3

HW3 (Due on 10/6)

Count A Keyword in a Web Page!

- Get a URL and a keyword from user inputs

- Return how many times the keyword appears in the contents of the URL

- For example:
  - Enter URL: http://soslab.nccu.edu.tw
  - Enter Keyword: Fang
  - Output: Fang appears X times

Hints

Count A Keyword in a Web Page!

- Implement indexOf() with Boyer-Moore's algorithm

- Use looking-glass and character-jump heuristics

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- Writing a program that can send HTTP Request to URL and show the number of appearances of the keyword within that web.
- Case insensitive
- Bonus: Implement the Boyer-Moore Algorithm

Input

- URL of the web

- Keyword to search

- Example
  - http://soslab.nccu.edu.tw/Welcome.html
  - Fang

Output

- Number of appearances

- Example
  - Fang appears 31 times.

Example

input ➔
output ➔

Please type URL and Keyword:
http://soslab.nccu.edu.tw/Welcome.html
Fang
Fang appears 31 times.