




HW3

蔣其叡 111356024@nccu.edu.tw
陳卉縈 112356043@nccu.edu.tw



HW3

HW3 (Due on 10/5)

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!

- Apply/Implement `indexOf()` with Boyer-Moore's algorithm
- Use looking-glass and character-jump heuristics

HW3

- 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 → Please type URL and Keyword:
http://soslab.nccu.edu.tw/Welcome.html
Fang

output → Fang appears 31 times.