

Project 1 Analyzation

How will you process the text file input? What python routines will you use and how will you use them?

We will create a function called `data parsing()` and use the `'with open()'` built in function along with `.read` to read the entire text file. The text will be returned to the function and a global variable named `'text'` will be assigned the text file data.

How will you store sentences in python? What data structure? How is it organized?

We will store the sentences in a list and organize them under the variable `'sentences'`.

How will you store words in python? What data structures? Organization?

We will store the words in a list and organize them under the variable `'list_of_words'`.

How will you keep track of which sentences each word appears in? What python data structure? Organization?

We will compare the two list we created to keep track of which sentences each word appears in.

How will you search through your data structures for a particular word? How will you determine which sentences contain that word? How will you access the original text for each sentence? How will you keep track of the sentence number?

We will search through our data structures for a particular word by iterating through each sentence to see if it contains the word we are looking for. We will determine which sentences contain that word by appending them to a list. We will access the original the original text for each sentence by having a variable that contains the original text. We will keep track of the sentence number by indexing.