ASSIGNMENT 3

50 points

We have a file containing set of words per line. Given a list of query words, your program should output the line number of lines that have the *all* those words that have been reversed.
Show your **pointer** prowess in completing this assignment.

Assume the text does not have any punctuation characters. Ignore spaces if more than one between words. Text is not case sensitive.

User Inputs to the program: filename.
list of words that he wants to search(Query_List)
Output of the Program: Array of <u>unique</u> line numbers where all the words in Query_List are found
1. **Readfile: Input:** File name
Process: reads all the contents of file and stores the reverse of all words in sentences in 2D array.
Output: Pointer to 2Darray
2. **find_matches**: **Input**: 2d array created in read file function .
Single Word from Query_List.
Process: Search for each word from Query_List in 2D array.
Output: Pointer to an Array of line numbers where the word exists

Sample Run

```
Enter a file name: quotes.txt

Enter space-separated words: in
The co-occurance for word: in
Lines: 1,2

Enter space-separated words: your
The co-occurance for words: your
Lines: 2,3,6

Enter space-separated words: if
The co-occurance for words: if
Lines: 1,3
```

```
Enter space-separated words:not
The co-occurance for: not
Lines: 3,5,8

Enter space-separated words:not if your
The co-occurance for: not if your
Lines: 3

Enter space-separated words:not in
The co-occurance for: not in
Lines: None

Enter space-separated words: quit
```