

## ASSIGNMENT #4

This assignment is meant as an exercise in searching an array. Write a Java program that prompts the user to enter strings of characters until a string consisting solely of the empty string is entered, at which time the program terminates. Following each string entered, the program displays a list of all words appearing in the input, along with a count of how many times each word appears. (A word is defined to be any sequence of characters appearing between blanks, except for the first and last words, which are delimited by only one blank.) Your program should be case sensitive, treating `Hello` and `hello` as distinct words. For example, for the input string `A rose is a rose is a rose`, your program should display

A	1
rose	3
is	2
a	2

Test your program on the following:

```
Hello Hello Hello
Hello Hello hello
How are you?
Java
A rose is a rose is a rose
if (a == b) c = d else e = f;
```