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Introduction to Programming  
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/ Text Analyzer with TDD:  
numberOfOccurrencesInText()

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## Tests

Here are all the tests we wrote for both `wordCounter()` and `numberOfOccurrencesInText()`. They should provide a good sense both of what a pseudocode test should look like and a general progression from simplest behavior to more complex behavior.

Describe: wordCounter()

Test: "It should return 1 if a passage has just one word."

Code:

```
const text = "hello";
```

```
wordCounter(text);
```

Expected Output: 1

Test: "It should return 2 if a passage has two words."

Code:

```
const text = "hello there";
```

```
wordCounter(text);
```

Expected Output: 2

Test: "It should return 0 for an empty string."

```
Code: wordCounter("");
```

Expected Output: 0

Test: "It should return 0 for a string that is only space s."

```
Code: wordCounter(" ");
```

Expected Output: 0

Test: "It should not count numbers as words."

```
Code: wordCounter("hi there 77 19");
```

Expected Output: 2

Describe: numberOfOccurrencesInText()

Test: "It should return 0 occurrences of a word for an empty string."

Code:

```
const text = "";
```

```
const word = "red";
```

```
numberOfOccurrencesInText(word, text);
```

Expected Output: 0

Test: "It should return 1 occurrence of a word when the word and the text are the same."

Code:

```
const text = "red";  
const word = "red";  
numberOfOccurrencesInText(word, text);  
Expected Output: 1
```

Test: "It should return 0 occurrences of a word when the word and the text are different."

Code:

```
const text = "red";  
const word = "blue";  
numberOfOccurrencesInText(word, text);  
Expected Output: 0
```

Test: "It should return the number of occurrences of a word."

Code:

```
const text = "red blue red red red green";  
const word = "red";  
numberOfOccurrencesInText(word, text);  
Expected Output: 4
```

Test: "It should return a word match regardless of case."

Code:

```
const text = "red RED Red green Green GREEN";  
const word = "Red";  
numberOfOccurrencesInText(word, text);  
Expected Output: 3
```

Test: "It should return a word match regardless of punctuation."

Code:

```
const text = "Red! Red. I like red, green, and yellow.";  
const word = "Red";  
numberOfOccurrencesInText(word, text);  
Expected Output: 3
```

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Last updated February 28, 2023

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