

More String Methods

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Java

evaluateInput(,)

```
public Text evaluateInput(String type, String user)
{
    // if didn't finish typing(v2)
    // else if sentence matches user input(v2)
    // else if sentence matches only first word (v3)
    // else all other situations (v4)
}
```

evaluateInput(,)

```
public Text evaluateInput(String type, String user)
{
    // if didn't finish typing
    // else if sentence matches user input
    // else if sentence matches only first word
    // else (all other situations)
}
```

This means multiple words!

evaluateInput(,)

This means multiple words!

How do you count the number of words in a String?

evaluateInput(,)

Need a new method...indexOf()

```
public int indexOf(String f)
```

This method returns the index of the first occurrence of its input String parameter.

Example String w indices:

I love computers and the beach!

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

```
String bob = new String("I love computers and the beach!");  
System.out.println(bob.indexOf("comp"));  
// output is: 7
```



Looking for first
occurrence of this

Example String w indices:

I love computers and the beach!

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

```
String bob = new String("I love computers and the beach!");  
System.out.println(bob.indexOf("hate"));  
// output is: -1
```



Looking for first
occurrence of this

Lab

- Write a Java program that extracts the last name given the person's full name.
- Ask the user to input the full name (first and last)
- Then the program outputs just the last name

Hints

- First find the space
- Extract the remainder of the string after the space