



Lab 02: Traversing Strings

In this lab you will be looping through Strings to find and edit values.

Exercises

- 1) Ask the user to enter a word. Then tell the user how many a's there are. Grammar: If there's only 1, say "is" not "are".

```
Enter a word: parade
There are 2 a's in the word parade.
```

- 2) Ask the user to enter a word. Then tell the user if there is a double letter in it.

```
Enter a word: happy
There is a double letter in the word happy.
```

- 3) Ask the user for a sentence. Then replace the a's with @, the s's with \$, and the e's with #.

```
Enter a sentence: Salisbury steak is delicious!
S@li$bury $t#@k i$ d#liciou$!
```

- 4) Ask the user for a word, and a letter in that word. Then state the index of each instance of the letter.

```
Enter a word: creepers
Enter a letter in that word: e
"e" occurs at the following index(s): 2 3 5
```

- 5) Ask for the user's first and last name. Then print it out with the following formats. It's probably easier to scan them individually but you can detect the space.

```
Enter your first and last name: jeremy smith
Jeremy Smith
jeremY smith
jErEmY sMiTh //the pattern should carry
               //across the space
```

Continue...



Exercises

- 6) Google “replace java” and find replace in the API ([link](#)). Figure out what it does. Then ask the user for a sentence and use replace to make all the vowels upper case. Don't use a loop for this, and treat y's as vowels.

```
Enter a sentence: He didn't fall? Inconceivable!  
hE dIdn't fAlL? InCOnCEIvAbLE!
```

Continue...

