# 02-Strings

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### 0.1 Codecademy Exercise 2

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**Loosely Based on Lecture Materials By: Milad Fatenejad, Katy Huff, Joshua R. Smith, Tommy Guy, Will Trimble, and Many More**There are operations that can be done with strings.

```
In [1]: firstName = "Johann"
```

```
In [2]: lastName = "Gambolputty"
```

When concatenating strings, we must explicitly use the concatenation operator +. Computers don't understand context.

```
In [3]: fullName = firstName + lastName
```

```
In [4]: print fullName

        JohannGambolputty
```

```
In [5]: fullName = firstName + " " + lastName
```

```
In [6]: print fullName

        Johann Gambolputty
```

There are other operations deined on string data. Use the *dir* comnand to find them. One example I'll show is the upper method. Lets take a look at the documentation.

```
In [7]: str.upper?
```

So we can use it to upper-caseify a string.

```
In [8]: fullName.upper()
```

        'JOHANN GAMBOLPUTTY'

You have to use the parenthesis at the end because upper is a method of the string class.

For what its worth, you don't need to have a variable to use the upper() method, you could use it on the string itself.

```
In [9]:  "Johann Gambolputty".upper()
```

Out [9]:
        'JOHANN GAMBOLPUTTY'

What do you think should happen when you take upper of an int? What about a string representation of an int?