

Python Objects

- ▶ Variables hold data, like numbers

```
arms = 5
```

- ▶ They can also hold more complex data objects
 - ▶ Strings
 - ▶ Lists
 - ▶ Text files
 - ▶ Images
 - ▶ Network connections
- ▶ More accurately, variables *refer* to a piece of data



Python Objects

- ▶ We call those complex pieces of data *objects*
 - ▶ Objects can be assigned to variables and used just like other data
 - ▶ Objects can be passed into functions just like other data
 - ▶ Objects also support *method* syntax
- ▶ *Method* syntax is just a different way to call a function
 - ▶ Uses the . operator
 - ▶ Function approach:
`len(name)`
 - ▶ Method approach:
`name.len()`
 - ▶ The idea of a method is that you are telling a certain object to do something

