Homework 3

**Objects** are used to describe a collection of related data that can be used again. Let’s take a look at cars, to describe a car we need related data like make, model,and color. This related data is referred to as **properties**,so objects are just collections of unordered properties. You can easily create a new property for an object by giving it a value so it would look like car.year = 1998.

**Methods** on objects are properties and they’re basically functions. They perform a specific action. You can write your own methods or use one of the build in methods like string() which converts an object's value to string or .toUpperCase which causes a string to become, as you guessed it, all upper case.

The **for.. in** statement is a loop that loops over an object's properties. The block of code that’s inside of the statement will run once for each property. It’s a great way to add a new value to a property.

**Dot notation** is the most commonly used way to access a property in an object, it’s basically the key to get inside. It is used when we know what property we are trying to access. **Bracket notation** on the other hand will only be used when we don’t know what specific property we are looking for or what that properties variable is going to hold.