More with Variables

More than one Variable

Let assign the variable "X" the value 5:

```
X = 5
```

And in Python every time we want to create a new variable all we have to do is assign it to a value, so then let's assign the variable "Y" the value 15:

```
Y = 15
```

So if we say:

```
print(X)
```

we will get the following on the screen:

```
5
```

And if we say:

```
print(Y)
```

We will get the following on the screen:

```
15
```

Variables working together

We could do the same thing in a slightly different way, if "X" is assigned 5:

```
X = 5
```

And then the next command we give is the following:

```
Y = X + 10
```

What value do you think "Y" has? Well we can find out with the following command:

```
print(Y)
```

we get the following on the screen:

```
15
```

So we can assign a variable its value based on the value of another variable, but it's important to be aware that if the first variable ("X") later changes its value, that won't impact the value of the second variable ("Y"), unless we repeat this initial assignment statement again:

```
Y = X + 10
```

Printing Out Variables

If we want to print out the sum of the two variables, all we have to do is:

```
print(X + Y)
```

And we get the following on the screen:

```
20
```

If we want to see the values of the individual variables, we list all the variables we want printed out, separated by a comma:

```
print(X, Y)
```

And we get the each value on the screen separated by a space:

```
5   15
```