Multiple Assignments
The expression

    1, 2

in Python is shorthand for (1, 2). This is a *tuple*, which is just like a list except that it can't be altered. The neatest thing about tuples is that you can set a tuple of variables equal to a tuple of values, and that assigns values to the individual variables.
For example,

\[ x, y = 3, 4 \]

has the same effect as

\[ x = 3 \]
\[ y = 4 \]
This might not seem so special, but it allows you to have a function return multiple values.

As a simple example

```python
def foo( ):
    return 3, 4

def main( ):
    x, y = foo( )
    print( x, y)
```

will print 3, 4