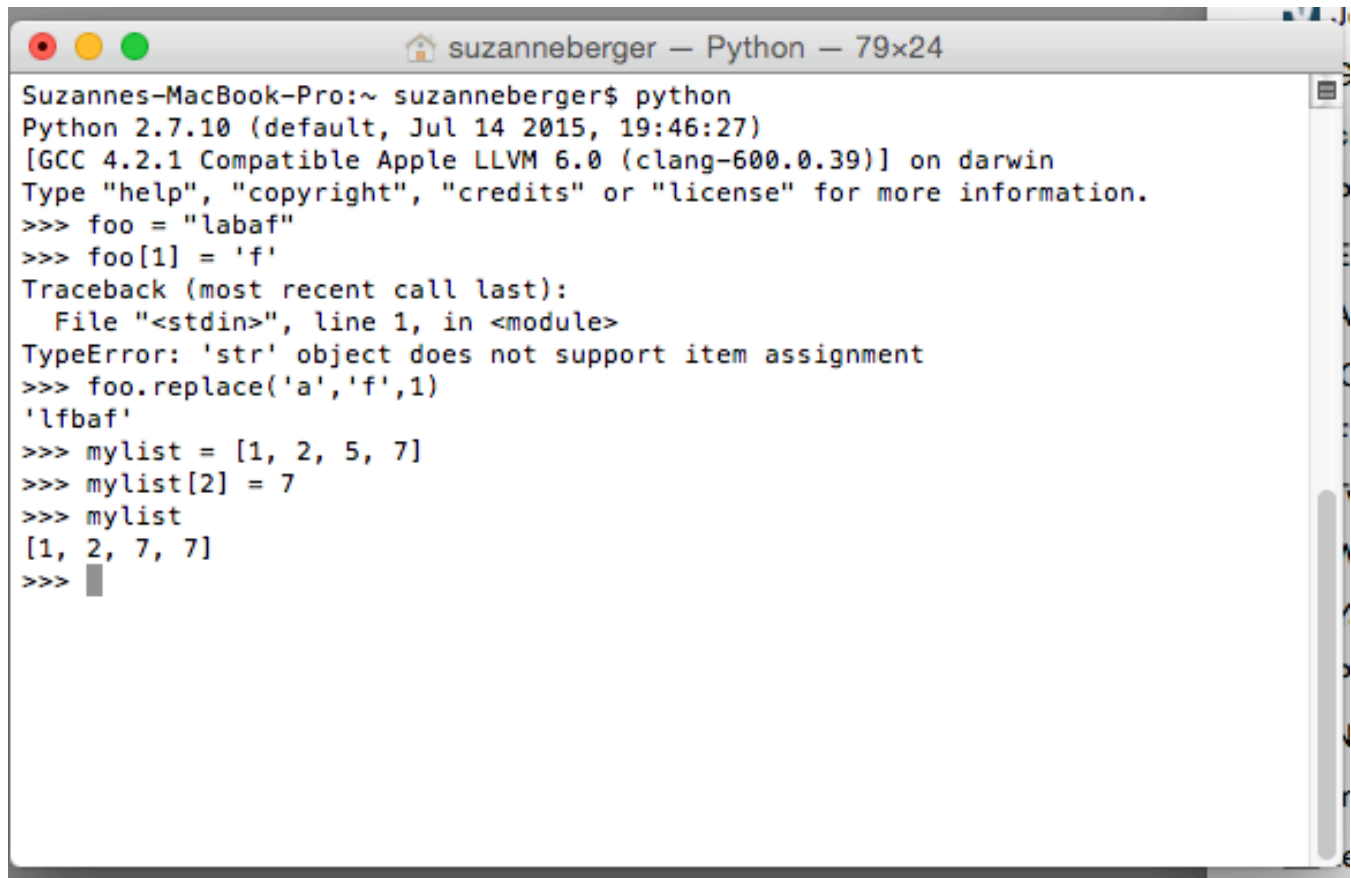


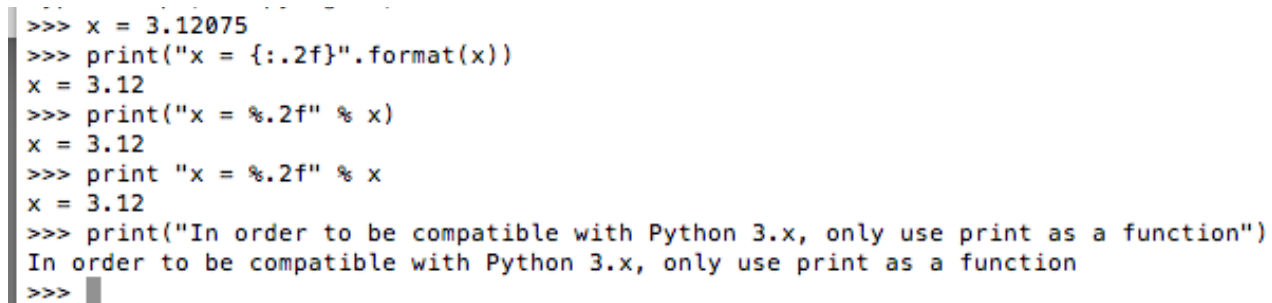
String vs Lists



A screenshot of a Python terminal window titled "suzanneberger — Python — 79x24". The terminal shows the following interactions:

```
Suzannes-MacBook-Pro:~ suzanneberger$ python
Python 2.7.10 (default, Jul 14 2015, 19:46:27)
[GCC 4.2.1 Compatible Apple LLVM 6.0 (clang-600.0.39)] on darwin
Type "help", "copyright", "credits" or "license" for more information.
>>> foo = "labaf"
>>> foo[1] = 'f'
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
TypeError: 'str' object does not support item assignment
>>> foo.replace('a','f',1)
'lfbaf'
>>> mylist = [1, 2, 5, 7]
>>> mylist[2] = 7
>>> mylist
[1, 2, 7, 7]
>>>
```

Print Float Nice



A screenshot of a Python terminal window showing the following interactions:

```
>>> x = 3.12075
>>> print("x = {:.2f}".format(x))
x = 3.12
>>> print("x = %.2f" % x)
x = 3.12
>>> print "x = %.2f" % x
x = 3.12
>>> print("In order to be compatible with Python 3.x, only use print as a function")
In order to be compatible with Python 3.x, only use print as a function
>>>
```