Repr vs. Str

Objects have 2 string representations:
- str: legible to humans
- repr: legible to Python interpreter

* often same but sometimes differ

Repr

- returns equal expression when eval is called

  eval (repr (object)) == Object ✓

- when just written in python, what shows up

```
>>> "cat"
'cat'
>>> 12
12
>>> max
<built-in function max>
```

BUT

```
>>> repr ("cat")
" 'cat' "
>>> repr (12)
' 12 '
>>> repr (max)
' <built-in function max> '
```

remember '' !

```
>>> half = Fraction (1,2)
>>> half
Fraction('1/2)
```

```
>>> repr (half)
'Fraction ('1/2)'
```

Print/ what python Prints when calling print

```
>>> print ("cat")
cat
>>> print (12)
12
>>> print (max)
<built in function max>
>>> print (half)
'1/2'
```

BUT

```
>>> print(repr("cat"))
'cat'
>>> print (repr (12))
12
>>> print(repr (max))
<built in function max>
>>> print (repr (half))
Fraction ('1/2)
```

* lose the '' !