2

def

41

5

print

```
print 'x'
```

print

3

```
# prints {'x': 41, 'y': 3, 'z': 5}
```

```
# print 2
```

```
# prints 41, 3, 5
```

Local Function Scope

```
x = 2
def foo(y):
    x = 41
    z = 5
    print(locals())
    print(globals()['x'])
    print(x, y, z)

foo(3)
# prints {'x': 41, 'y': 3, 'z': 5}
# print 2
# prints 41, 3, 5
```

We've added an `'x': 41` entry to the local symbol table

If / For Scope