Generators

```
…
>>> next(g)
1
>>> next(g)
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
StopIteration
```

```python
def counter(val):
    value = val
    def count():
        nonlocal value
        value += 1
        return value
    return inner_function

>>> c = counter(0)
>>> c()
1
>>> c()
2
...
```

This is a sequence!!!