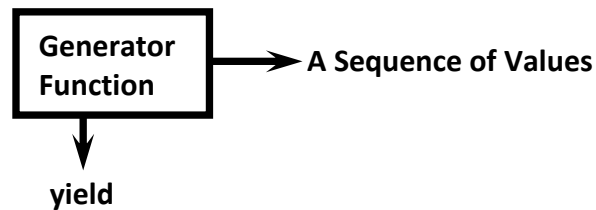




Generators

Generator is a function which is responsible to generate a sequence of values.

We can write generator functions just like ordinary functions, but it uses yield keyword to return values.



Eg 1:

```
1) def mygen():
2)     yield 'A'
3)     yield 'B'
4)     yield 'C'
5)
6) g=mygen()
7) print(type(g))
8)
9) print(next(g))
10) print(next(g))
11) print(next(g))
12) print(next(g))
13)
14) Output
15) <class 'generator'>
16) A
17) B
18) C
19) Traceback (most recent call last):
20) File "test.py", line 12, in <module>
21)     print(next(g))
22) Stoptleration
```

Eg 2:

```
1) def countdown(num):
2)     print("Start Countdown")
3)     while(num>0):
4)         yield num
5)         num=num-1
6)
7) values=countdown(5)
8) for x in values:
```