



```
9) print(x)
10)
11) Output
12) Start Countdown
13) 5
14) 4
15) 3
16) 2
17) 1
```

Eg 3: To generate first n numbers:

```
1) def firstn(num):
2)     n=1
3)     while n<=num:
4)         yield n
5)         n=n+1
6)
7) values=firstn(5)
8) for x in values:
9)     print(x)
10)
11) Output
12) 1
13) 2
14) 3
15) 4
16) 5
```

We can convert generator into list as follows:

```
values=firstn(10)
```

```
l1=list(values)
```

```
print(l1) #[1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
```

Eg 4: To generate Fibonacci Numbers...

The next is the sum of previous 2 numbers

Eg: 0,1,1,2,3,5,8,13,21,...

```
1) def fib():
2)     a,b=0,1
3)     while True:
4)         yield a
5)         a,b=b,a+b
6) for f in fib():
7)     if f>100:
8)         break
9)     print(f)
```