

Untitled1

April 7, 2023

0.1 Generator functions

```
[1]: range(1,10)
```

```
[1]: range(1, 10)
```

```
[2]: for i in range(1,10):  
      print(i)
```

```
1  
2  
3  
4  
5  
6  
7  
8  
9
```

```
[3]: l = [1,2,3,4,5,4,5,"pwskills",4,5,4,5,7]
```

```
[9]: def test1(a):  
      n=[]  
      for i in a:  
          if type(i)==int:  
              n.append(i)  
      return n
```

```
[10]: test1(l)
```

```
[10]: [1, 2, 3, 4, 5, 4, 5, 4, 5, 4, 5, 7]
```

```
[23]: ## my own code
```

```
[21]: def test5(a,b):  
      n=[]
```

```
for i in range(a,b):
    if type(i)==int:
        n.append(i)
return n
```

```
[22]: test5(1,12)
```

```
[22]: [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11]
```

```
[ ]:
```

```
[24]: ## fibonnaci series
```

```
[26]: ## 0,1,1,2,3,5,8,13,21,34
```

```
[61]: def test_fib(n):
      a,b=0,1
      for i in range(n):
          yield a
          a,b=b,a+b
```

```
[62]: test_fib(10)
```

```
[62]: <generator object test_fib at 0x7fcfd4b6cba0>
```

```
[60]: for i in test_fib(10):
      print(i)
```

```
0
1
1
2
3
5
8
13
21
34
```

```
[ ]:
```

```
[ ]:
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[ ]:
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