

## Day 9

```
def fibo(num):  
    a=1  
    b=1  
    out=[]  
    for i in range(num):  
        out.append(a)  
        a=b  
        b=a+b  
    return out
```

**o/p**

```
for i in fibo(10):  
    print(i)
```

1

1

2

3

5

8

13

21

34

55

fibo(10)

[1, 1, 2, 3, 5, 8, 13, 21, 34, 55]

fibo(20)

[1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144, 233, 377, 610, 987, 1597, 2584, 4181, 6765]

```
def fibo(num):
```

```
    a=1
```

```
    b=1
```

```
    for i in range(num):
```

```
        yield a
```

```
        a,b=b,a+b
```

**o/p**

1

1

2

3

5

8

13

21

34

55

**Module**

```
import random
```

```
random.randint(0,100)
```

48

```
random.randint(0,100)
```

90

```
random.randint(0,100)
```

81

```
random.uniform(a=0,b=100)
```

71.84817660430043

random.gauss(mu=0,sigma=1)

-0.3830884588664232

import os

os.getcwd()

'C:\\Users\\nielit\\AppData\\Local\\Programs\\Python\\Python310'

os.listdir()

['a.py', 'DLLs', 'Doc', 'even.py', 'func.py', 'func1.py', 'function.py', 'human.py', 'include', 'Lib', 'libs', 'LICENSE.txt', 'mymodule.py', 'new.py', 'newcode.py', 'NEWS.txt', 'py.py', 'python.exe', 'python.txt', 'python3.dll', 'python310.dll', 'pythonw.exe', 'sample', 'Scripts', 'stu.py', 'tcl', 'test.py', 'Tools', 'vcruntime140.dll', 'vcruntime140\_1.dll', '\_\_pycache\_\_']

**import re**

**a="we are learning python programming"**

**re.search("python",a)**

**<re.Match object; span=(16, 22), match='python'>**

**re.search("maths",a)**

**b=re.search("python",a)**

**b.span()**

**(16, 22)**

**b.start()**

**16**

**b.end()**

**22**

**a="i am ankit and my phone is 111-123-1456"**

**phone\_number=re.search('\d\d\d-\d\d\d-\d\d\d',a)**

**phone\_number**

**<re.Match object; span=(27, 39), match='111-123-1456'>**

**phone\_number=re.search(r'\d\d\d-\d\d\d-\d\d\d',a)**

**phone\_number**

**<re.Match object; span=(27, 39), match='111-123-1456'>**

```
class Student():  
    def __init__(self,par1,par2):  
        self.name=par1  
        self.roll_no=par2  
student1=Student("sneha",7)
```

```
= RESTART: C:/Users/nielit/AppData/Local/Programs/Python/Python310/new.py  
student1=Student("sneha",7)  
student1.
```

```
class Student():  
    def __init__(self,name,roll_no):  
        self.name=name  
        self.roll_no=roll_no
```

```
student1=Student("sneha",7)  
student1.
```

```
student1=Student(roll_no=7,name="sneha")  
student1.name  
'sneha'  
student1.roll_no
```