For loop

In [4]:
```python
for i in range(0,6):
    print(i)
```

0
1
2
3
4
5

In [ ]:
```python
# range(0,6) = 0,1,2,3,4,5
```

In [2]:
```python
# range(a,b,c)
# a = starting point
# b = ending point (its always consider b-1 )
# c = step size
```

In [6]:
```python
for i in range(0,6,2):
    print(i)
```

0
2
4

In [7]:
```python
for i in "python":
    print(i)
```

p
y
t
h
o
n

In [10]:
```python
l = [1,2,3,4,5]
for x in l:
    sq = x*x
    print(sq)
```

1
4
9
16
25

if else in for loop

In [11]:
```python
lst = [6,7,8,9,10]
for i in lst:
    if i == 9:
        print("yessss i got it......")
    else:
        print("keep moving")
```

```
keep moving
keep moving
keep moving
yessss i got it......
keep moving
```

Nested for loop

In [15]:
```python
fruits = ["apple","cherry","orange"]
adj = ["red","big","tasty"]

for i in adj:
    for j in fruits:
        print(i,j)
```

```
red apple
red cherry
red orange
big apple
big cherry
big orange
tasty apple
tasty cherry
tasty orange
```

While loop

In [27]:
```python
x = 45

while x!=0:
    print("condition satisfied, you are in while loop")
    x = x//10
    print(x)

print("----------------------")
print("condition breaked , you are out of loop")
```

```
condition satisfied, you are in while loop
4
condition satisfied, you are in while loop
0
----------------------
condition breaked , you are out of loop
```

Break, continue and Pass

In [28]:
```python
# break : it stops the execution of code if condition satisfied
```

In [31]:
```python
for i in range(1,10):
    if i==5:
        break
    print(i)
```

```
1
2
3
4
```

In [ ]:
```python
# continue : it continues the execution of code except for cond
```

In [32]:
```python
for i in range(1,10):
    if i==5:
        continue
    print(i)
```

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

In [33]:
```python
# pass
```

In [39]:
```python
for i in range(1,10):
    if i==5:
        pass
    print(i)
```

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

In [ ]:

In [ ]:

```
In [ ]:   1

In [ ]:   1
```