

✓ Nested if-else

```
a=int(input("ballingizni kiriting: "))
if a>=60 and a<=100:
    if a>=90:
        print("A'lo")
    elif a>=70:
        print("qoniqarli")
    else:
        print("qoniqarsiz")
else:
    print("olmaydi")
```

qoniqarli

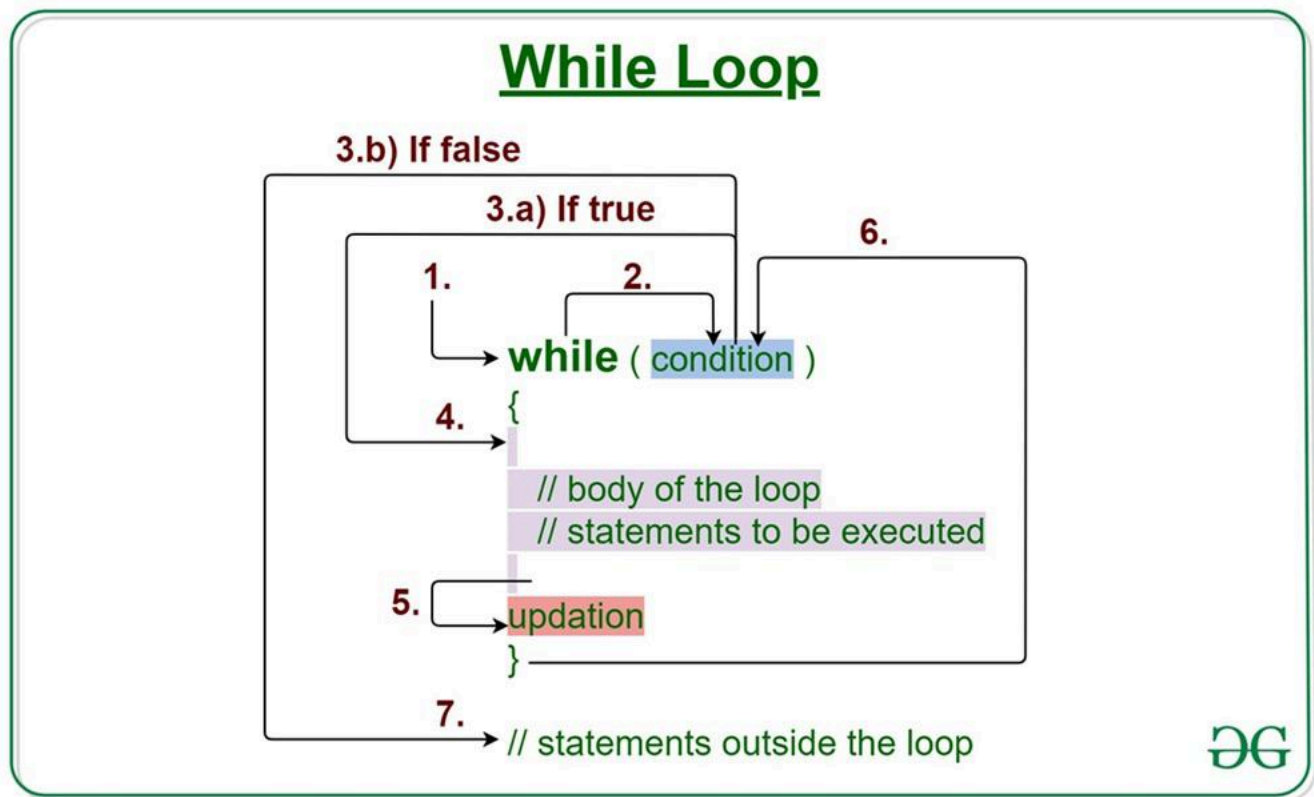
```
b="0123456789"
a=len(b)
print(a)
```

10

✓ Loop - While, For

Bular takrorlanuvchi operatorlar

✓ While - takrorlanuvchi operator



```
a=1
n=int(input("n= "))
while a<=n: # True bo'lganda ishlaydi
    print(a)
    a+=1 # a+=1 - a=a+1 ni ifodalaydi
```

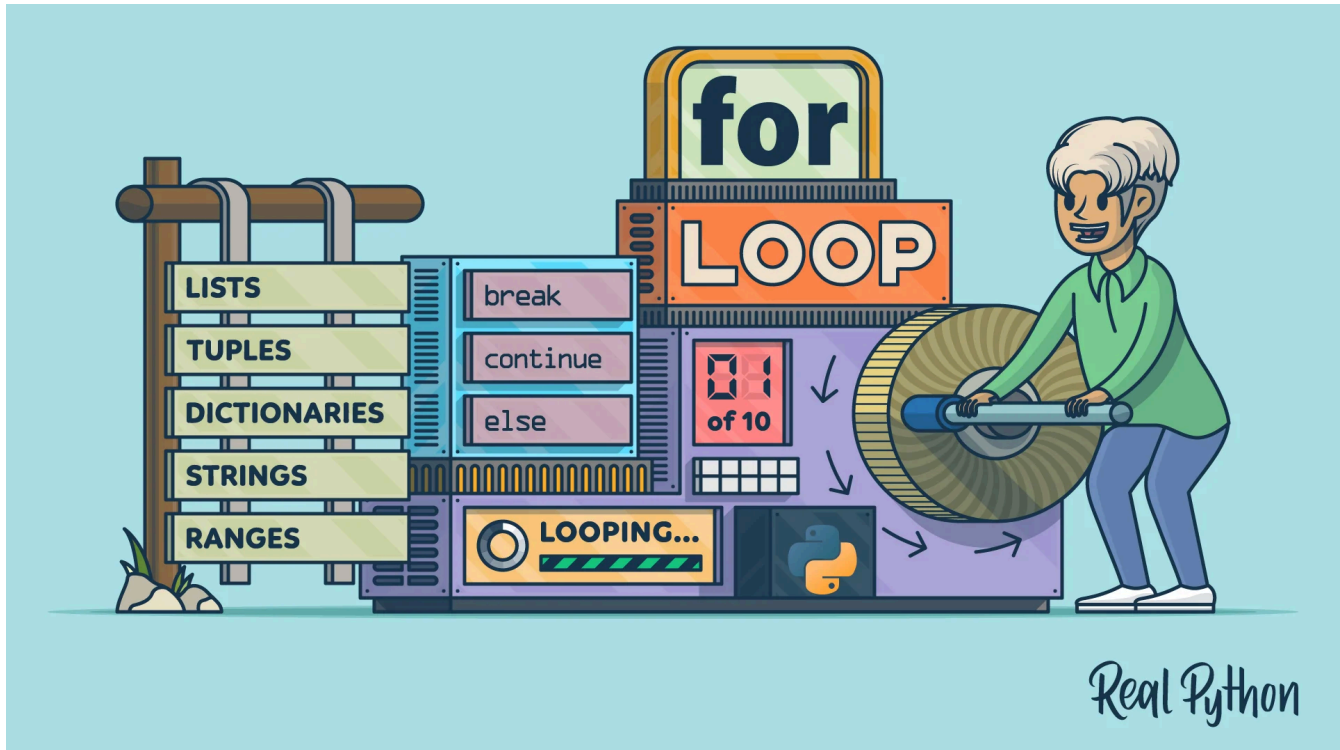


```
1
2
3
4
```

```
a=1
n=int(input("n= "))
while a<=n: # True bo'lganda ishlaydi
    if a%2: # 0 dan farqli son True ga teng
        print(a)
    a+=1
```

✓ For - parametrli takrorlanuvhi operator

start : stop : step



```
for i in range(1,10):
    print(i, end=" ")
```

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

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

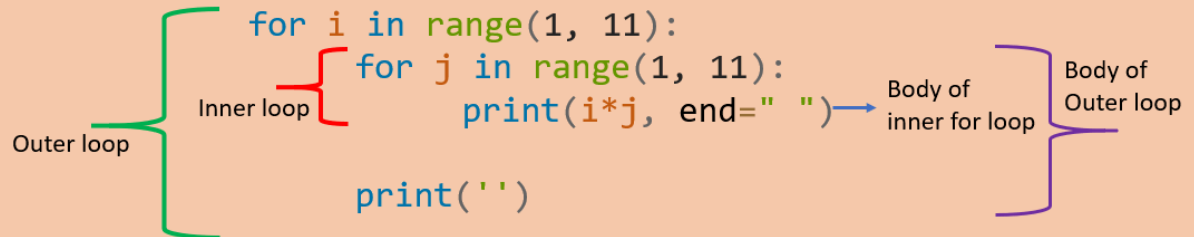
```
n=int(input("n= "))
for i in range(5,n,-1):
    print(i)
```

✓ Nested For

Python Nested Loop

A Loop inside a loop is known as a nested loop.

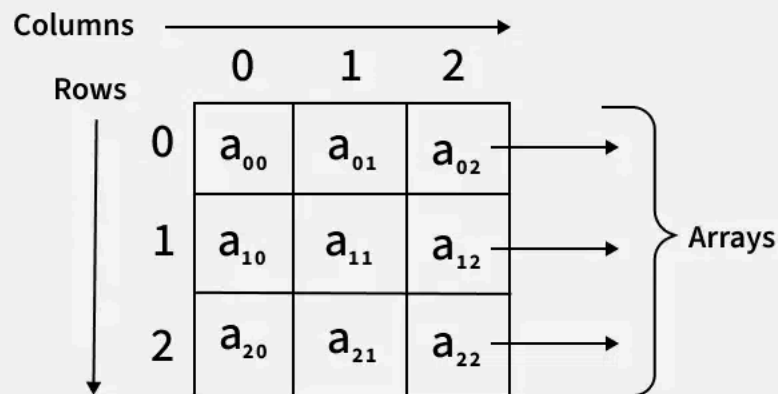
In the nested loop, the number of iterations will be equal to the number of iterations in the outer loop multiplied by the iterations in the inner loop.



PYnative.com

```
# n,n o'lchamli jadval (matritsa)  
n=5  
for i in range(n):  
    for j in range(n):  
        print(" * ", end=" ")  
    print()
```

```
* * * * *  
* * * * *  
* * * * *  
* * * * *  
* * * * *
```



```
n=5  
for i in range(n):  
    for j in range(i, n):  
        print(" * ", end=" ")  
    print()
```

```
* * * * *  
* * * *  
* * *  
* *  
*
```

```

n=5
for i in range(n, 0, -1):
    for j in range(i, 1, -1):
        print(" ",end="")
    for j in range(i, n+1):
        print(" * ",end="")
    print()

```

```

      *
     * *
    * * *
   * * * *
  * * * * *

```

```

n=5
for i in range(n):
    for j in range(n):
        if i == 0 or i == n-1 or j == 0 or j == n-1:
            print(" * ", end="")
        else:
            print("   ", end="")
    print("\r")

```

```

* * * * *
*       *
*       *
*       *
*       *
* * * * *

```