

While- for loops

Döngüler (while & for loops) - İçerik

- Döngü kavramı
- ► while döngüsü
- ► Sonsuz döngü
- ► for döngüsü
- ▶ break
- **▶** continue
- ▶ Örnek bir döngünün incelenmesi

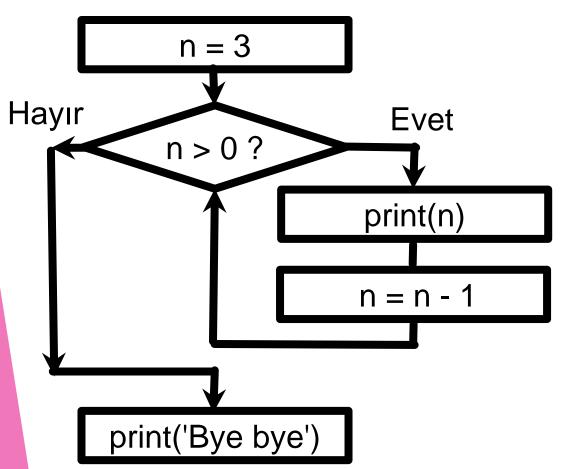


Döngüler - iteration/repeated loops?

liste = ["Hakan", "Kaan", "Ayşe", "Zeynep", "Soner", ...]



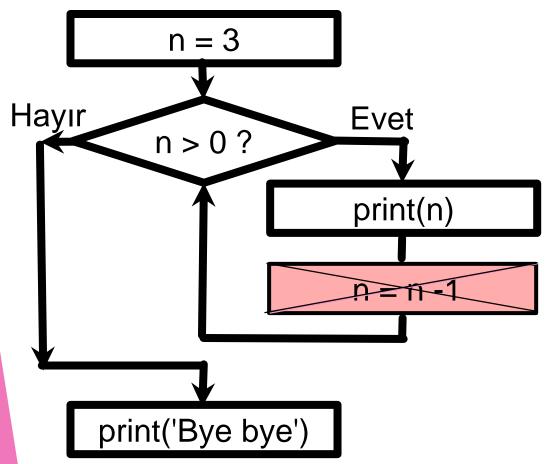
Döngüler - while (repeated loops)



```
Output:
Program:
while n > 0 :
    print(n)
    n = n - 1
print('Bye bye')
                   Bye bye
print(n)
```



Sonsuz Döngü (Infinite loop) while



Program:

```
m = 3
while n > 0 :
    print(n)
    n = n - 1
print('Bye bye')
print(n)
```

Output:



Döngüler for..in Loops (iteration/repeated loops)

```
for i in list/str:

pass # list/str. her bir eleman için yap

for x in range(10):

pass # 10 defa yap (0 - 9)

for x in range(5,10):

pass # 5 defa yap (5 - 9)
```

```
for i in range(3):
    print(i)
    → 0
    → 1
    → 2
for i in 'abc':
    print(i)
    → a
    → b
    → c
```



Döngüden Çıkma (break)

```
while True:
    komut = input(")
    if komut == 'kapat' :
        break
    print(komut)
print('Program kapatıldı!')
```

Merhaba

→ Merhaba

kapat

→ Program kapatıldı!



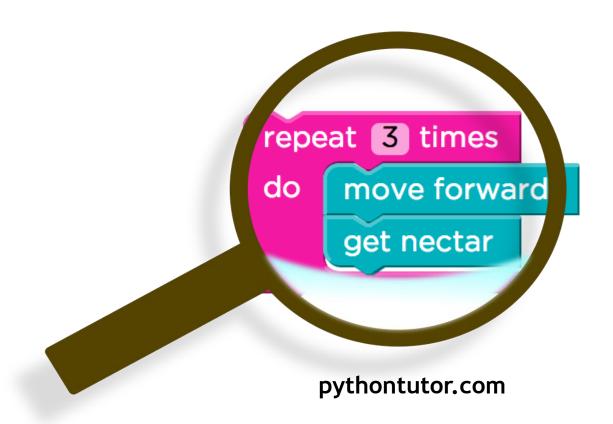
continue

```
for harf in 'Python':
    if harf == 'h':
        continue
    print('Mevcut harf :', harf)
```

Mevcut harf: P
Mevcut harf: y
Mevcut harf: t
Mevcut harf: o
Mevcut harf: n



Örnek bir döngü mantığını inceleyelim





Döngüler (while & for loops) - Özet

- while a<b:pass</p>
- ► While True:pass
- ▶ for item in liste:pass
- ► Break ile döngüyü sonlandırma
- continue ile sonraki iterasyondan devam etme
- ▶ Pythonutor.com örnek incelemesi



Bölüm Sonu

Sonraki Derste Görüşmek Üzere Happy Pythoning!

