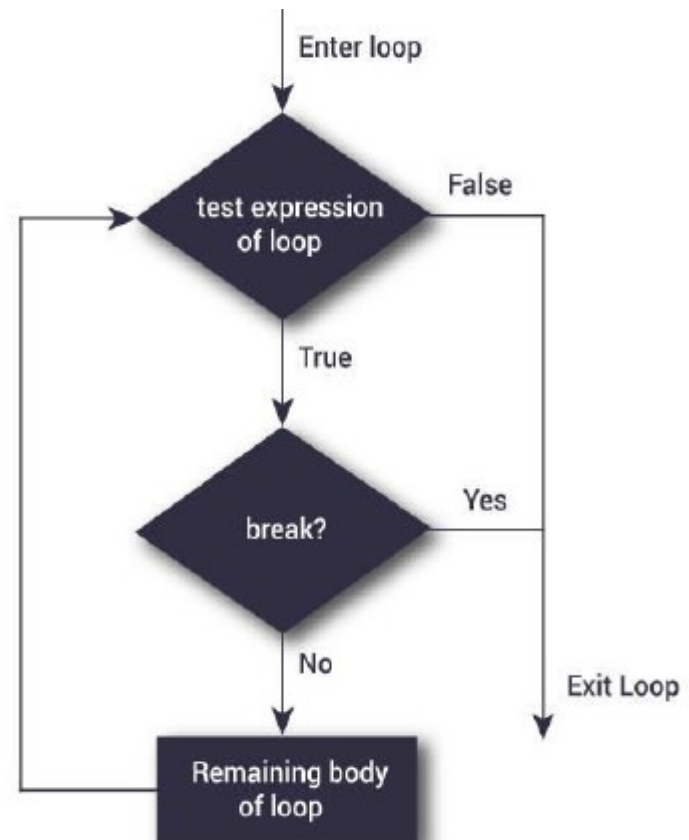# Python Break Statement

- break: when break is getting excecuted in ur loop
- 　　it will come out from the inner loop
- 　　and it will not go for else part
- continue : when continue is getting excecuted in ur loop
- 　　it will skip the statement which is written inside loop
- 　　after continue statement for the current iteration
- 　　and it will go for the next iteration.
- 　　and at the end it will go for else part.
- pass : Don't do anything in this line

break and continue:

- In Python, break and continue statements can alter the flow of a normal loop.

- Loops iterate over a block of code until test expression is false, but sometimes we wish to terminate the current iteration or even the whole loop without checking test expression.

Flowchart of break

Python break statement

- The break statement terminates the loop containing it.

- If break statement is inside a nested loop (loop inside another loop), break will terminate the innermost loop.

Example:

```
for val in "string":
    if val == "i":
        break
    print(val)
print("The end")
```

O/p:
s
t
r
The end

Example:

```
val = 10
while val > 0:
    print ("value :", val)
    val = val -1
    if val == 5:
        break
print ("Good bye!")
```

O/p:
value : 10
value : 9
value : 8
value : 7
value : 6
Good bye!

While…else with break

```
i=0
while (i<=10):
    print (i)
    i=i+1
    if (i==4):
        break
else:
    print("i is Greater than 10")
```

O/p:
0
1
2
3

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While...else with break

```
i=11
while (i<=10):
    print (i)
    i=i+1
    if (i==4):
        break
else:
    print("i is Greater than 10")
```

O/p:
i is Greater than 10

Example:

```
for letter in "Bangalore":
    print ("Current Letter :", letter)
    if(letter == "g"):
        break
else:
    print ("Good bye!")
```

O/p:
Current Letter : B
Current Letter : a
Current Letter : n
Current Letter : g

Continue statement

```
for letter in 'Python':
    if letter == 'h':
        continue
    print ("Current Letter :", letter)
print ("Good bye!")
```

O/p:
Current Letter : P
Current Letter : y
Current Letter : t
Current Letter : o
Current Letter : n
Good bye!

pass statement

```python
for letter in 'Python':
    if letter == 'h':
        pass
        print ("This is pass block")
    print ("Current Letter :", letter)
print ("Good bye!")
```

O/p:
Current Letter : P
Current Letter : y
Current Letter : t
This is pass block
Current Letter : h
Current Letter : o
Current Letter : n
Good bye!

Example:

```python
a = [0, 2, 4]
for value in a:
    if value:
        continue
    print (value)
```

O/p:
0

```python
a = [0, 2, 4]
for value in a:
    if value:
        pass
    print (value)
```

O/p:
0
2
4

Example:

```
for i in range(10):
    if i % 2 == 0:
        continue
    print (i)
```

Example:

```
for i in range(10):
    if i % 2 == 0:
        pass
    print (i)
```