

# Jumping Statement in Python

In this we have two statements which can be used with loops for better functioning





# Types Of Statements

1 Break

2 Continue

# Break Statement

A Used it exist loop permanently when specific condition met It completely stops the loop and moves execution next to outside loop.



# Code with Break

## Example - 1

```
print("Using `break`:")
for i in range(1, 10):
    if i == 5: # Exit the loop when i equals 5
        print("Breaking the loop as i is 5.")
        break
    print(f"Current value of i: {i}")
```

## Output

```
Using `break`:
Current value of i: 1
Current value of i: 2
Current value of i: 3
Current value of i: 4
Breaking the loop as i is 5.
```

# Continue Statement

A used when we want to remove specific iteration of a loop while remaining loop is continuing



# Continue with Loop

## Example - 1

```
print("Using `continue`:")  
for i in range(1, 10):  
    if i % 2 == 0: # Skip even numbers  
        continue  
    print(f"Odd number: {i}")
```

## Output

```
Using `continue`:  
Odd number: 1  
Odd number: 3  
Odd number: 5  
Odd number: 7  
Odd number: 9
```

# Simulating Do-While Loop

## Example - 1

```
print("Simulating `do-while` loop:")
counter = 0
while True: # Infinite loop
    counter += 1
    print(f"Counter: {counter}")
    if counter >= 5: # Exit condition
        break
```

## Output

```
Simulating `do-while` loop:
Counter: 1
Counter: 2
Counter: 3
Counter: 4
Counter: 5
```