Break and Continue Statement in Python

Controlling Loop Flow in Python

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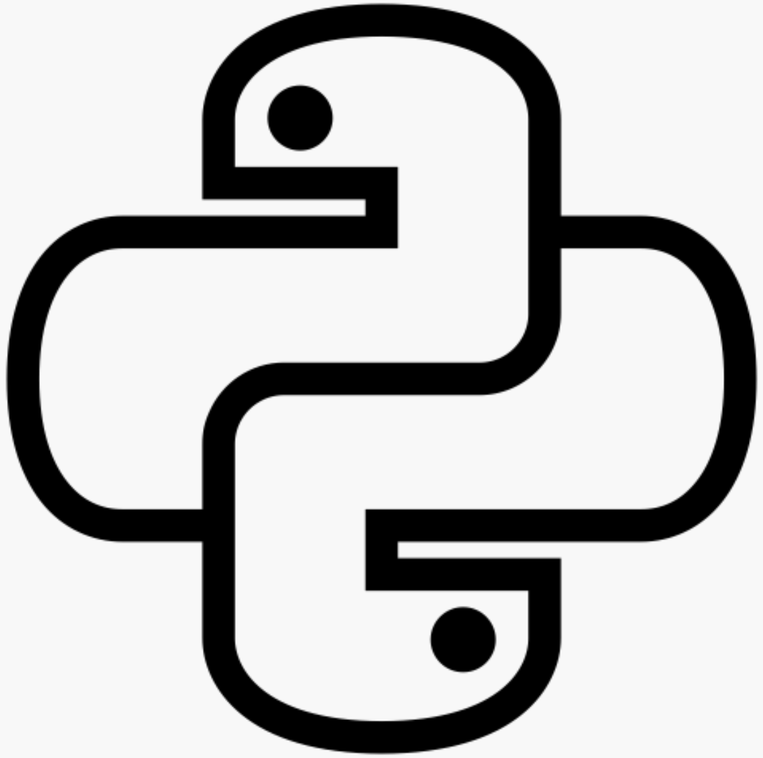

What are **break** and **continue**?

- Special statements used in loops to control execution flow.
- Enhance flexibility and efficiency in loop operations.

The break Statement

- Exits the loop immediately when executed.
- The remaining iterations of the loop are skipped.

```
for i in range(1, 10):
    if i == 5:
        break
    print(i)
```

Output:

1

2

3

4

04

The continue Statement

- Skips the rest of the code inside the loop for the current iteration.
- Proceeds to the next iteration of the loop.

Output: 1 2 3 4 6 7 8 9

```
for i in range(1, 10):
    if i == 5:
        continue
    print(i)
```

Real world example

IN THE IDE

Advantages

break:

- Saves time by stopping loops early.
- Avoids unnecessary processing.

continue:

- Simplifies logic by skipping iterations.
- Reduces the need for complex conditions.

Quiz
time!

Thank you

Any question?