Python break and continue

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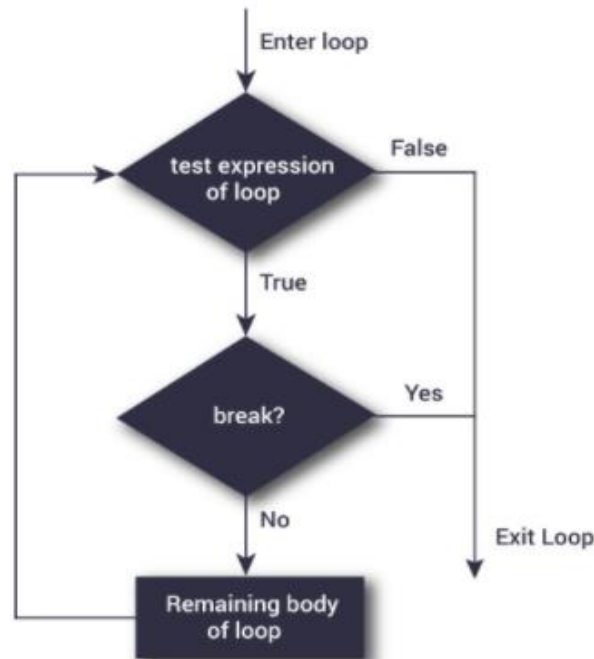**Dept. of Computer Science & Engineering**
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Python break Statement

- The break statement **terminates the loop containing it.**
- Control of the program flows to the **statement immediately after the body of the loop.**

Syntax

```
break
```


Flowchart of break statement in Python

Python break Statement

- The working of break statement in for loop and while loop

```
for var in sequence:
    # codes inside for loop
    if  condition:
        break
    # codes inside for loop

# codes outside for loop


while test expression:
    # codes inside while loop
    if  condition:
        break
    # codes inside while loop

# codes outside while loop
```

Working of the break statement

Example: Python break

```python
# Use of break statement inside the loop

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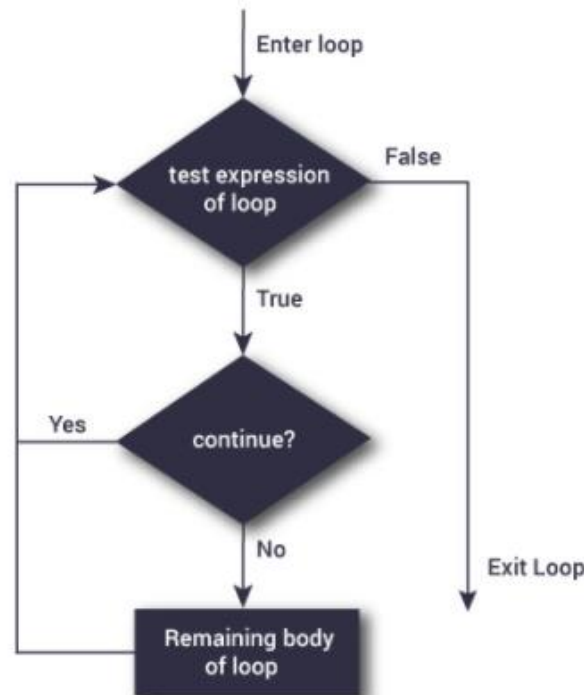
Output

```
s
t
r
The end
```

Python continue Statement

- The continue statement is used to **skip the rest of the code inside a loop for the current iteration only.**

- Loop does **not terminate** but **continues on with the next iteration.**

Syntax

```
continue
```


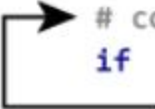Flowchart of continue statement in Python

Python continue Statement

- The working of continue statement in for loop and while loop

```
for var in sequence:
    # codes inside for loop
    if condition:
        continue
    # codes inside for loop

# codes outside for loop


while test expression:
    # codes inside while loop
    if condition:
        continue
    # codes   inside while loop

# codes outside while loop
```

Example: Python continue

```python
# Use of continue statement inside the loop

for character in "string":
    if character == "i":
        continue
    print(character)
print("The end")
```

Output

```
s
t
r
n
g
The end
```