

What are Control Statements?

- Control statements are special statements that **change the normal flow of loops**.
- They are used to stop a loop, skip an iteration, or keep a placeholder.

Types of Control Statements:

1. break statement

- Used to **exit/terminate the loop immediately**.
- The loop stops even if the condition or sequence is not finished.

Example: Stop loop when number = 5

```
for i in range(1, 11):  
    if i == 5:  
        break  
    print(i)
```

2. continue statement

- Used to **skip the current iteration** and move to the next.
- Loop does not stop, only that iteration is skipped.

Example: Print 1–10 but skip 5

```
for i in range(1, 11):  
    if i == 5:  
        continue  
    print(i)
```

3. pass statement

- Does nothing.
- Used as a **placeholder** when you don't want any code inside the loop or function.

Example: Empty loop with pass

```
for i in range(5):  
    pass
```