


Conditional Logic



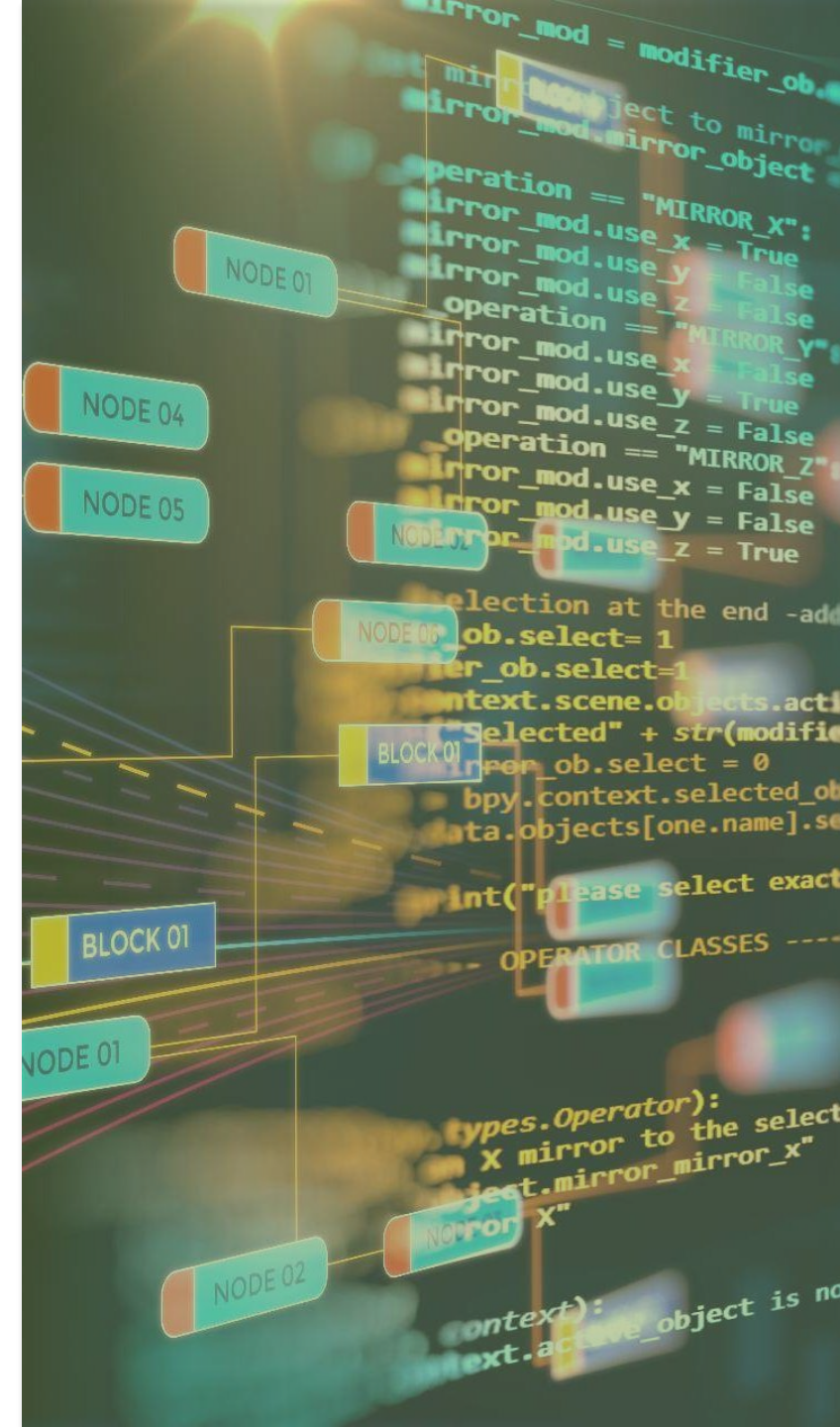
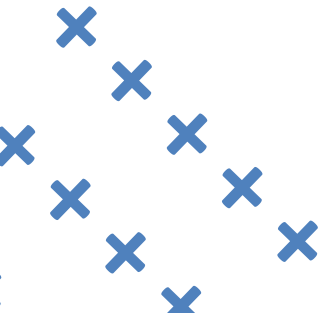
LESSON OBJECTIVES

- 
- Understand conditional logic
 - Functional illustration

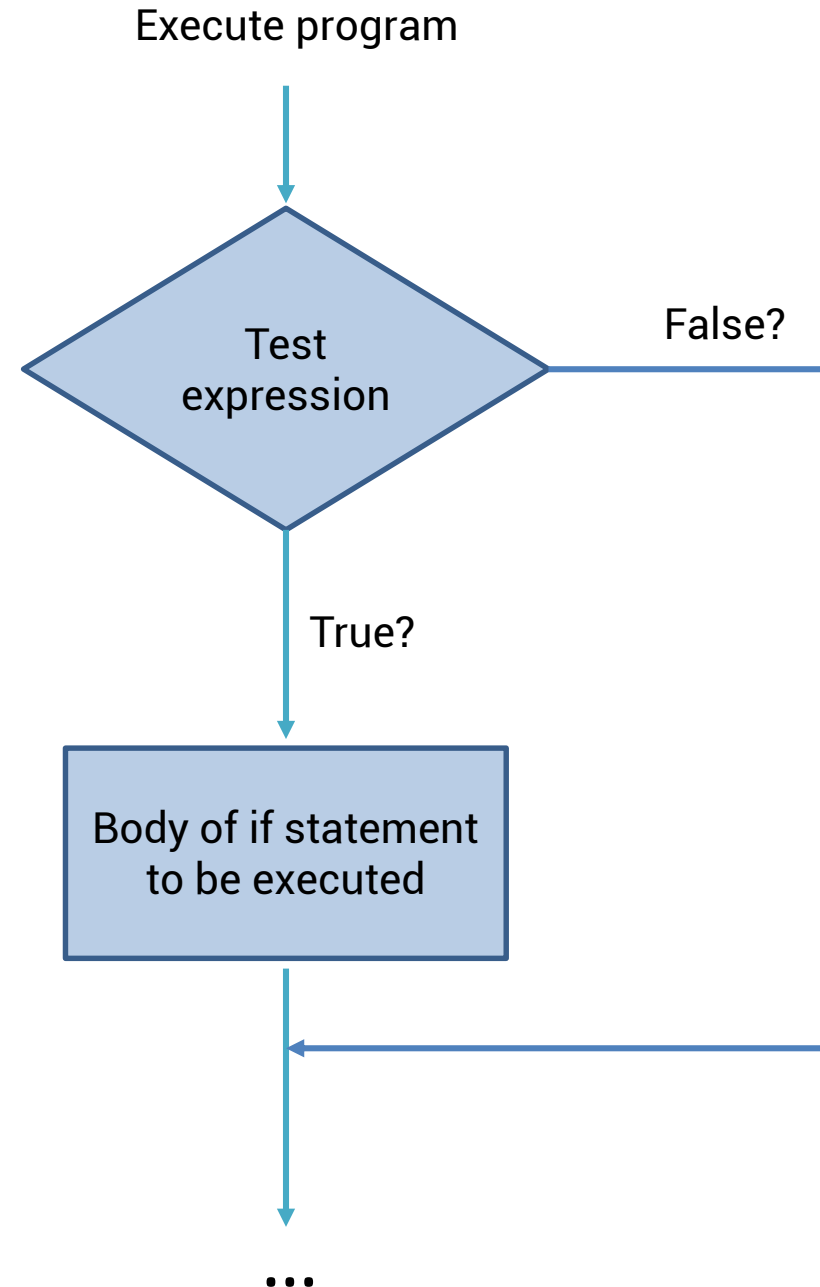
Python conditionals

Conditional logic refers to the ability to execute different code based on whether certain conditions are **true** or **false**.

- "If-then-else" structure
- Control program flow
- Handle different scenarios



Conditional logic flow

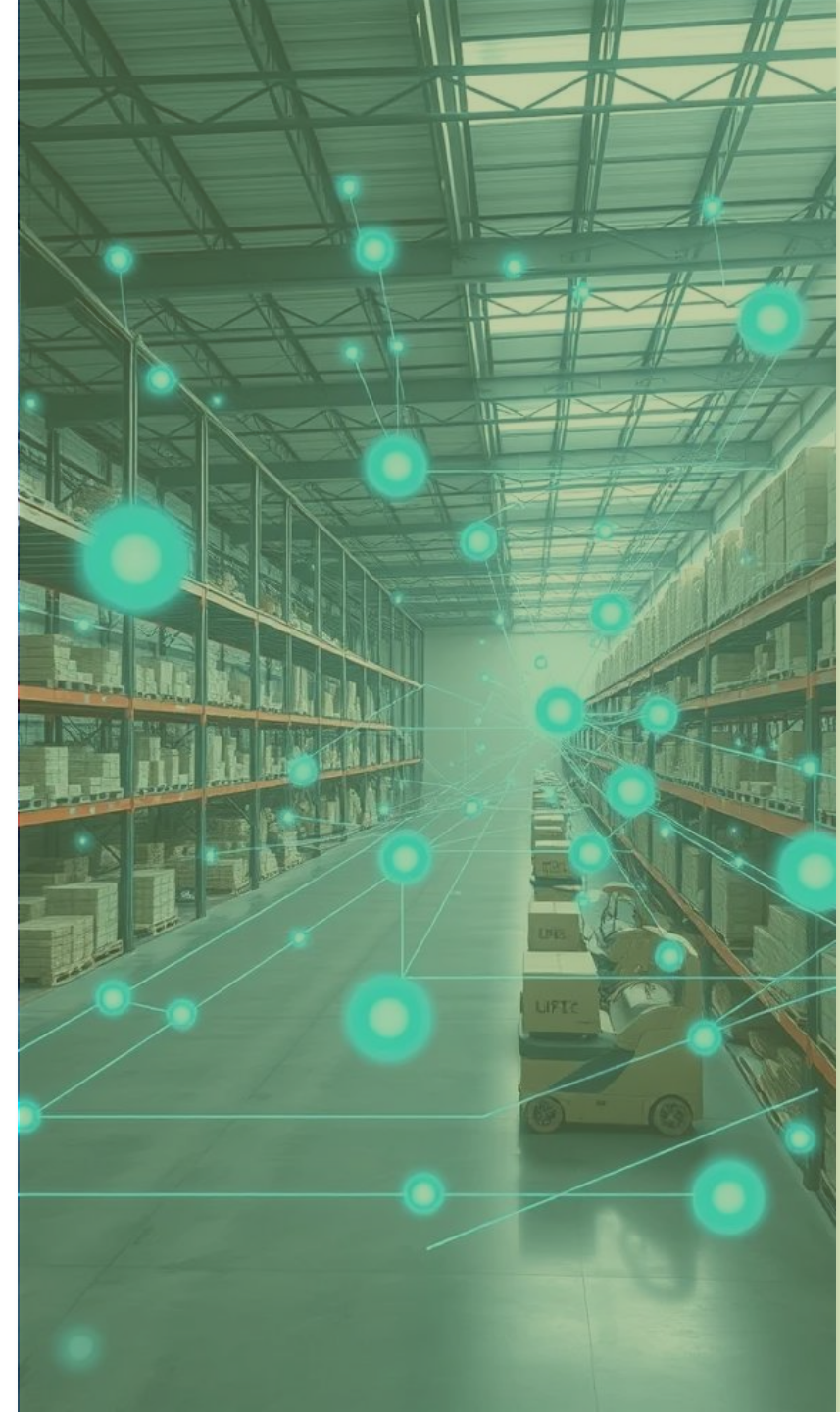


"If-then-else" structure

if

elif

else



Indentation

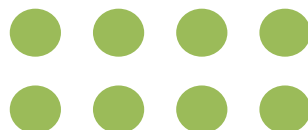


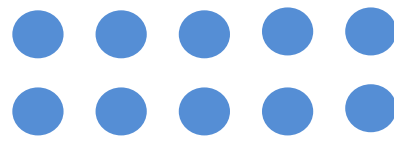
Python uses indentation at the beginning of lines to define code blocks, unlike many other programming languages that use curly braces for this purpose.

Code example

```
x = 10

if x > 5:
    print("x is greater than 5")
elif x == 5:
    print("x is equal to 5")
else:
    print("x is less than 5")
```





Functional illustration

