Conditional Statements

Conditional statements

Allow us to run certain lines of code depending on whether certain conditions are met

Control program flow

Python keywords:
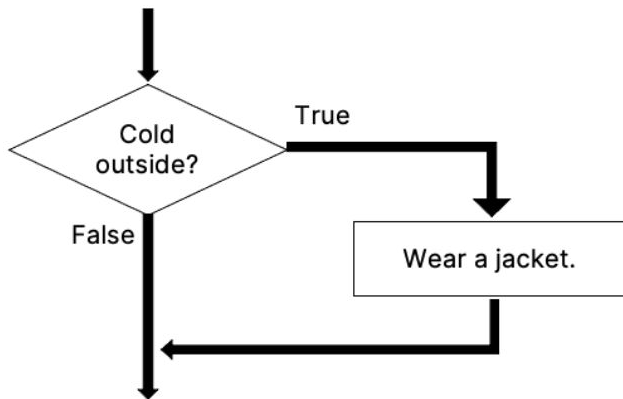
if
elif (short for else if)
else

Conditional statements

Also known as control structures or decision structures
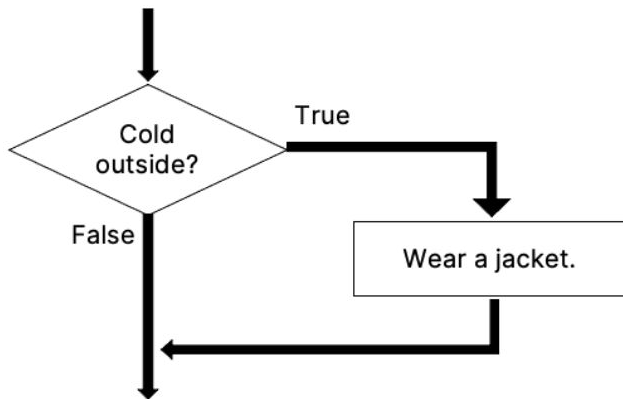
Allow programs to have more than one path of execution,
like a choose-your-own-adventure story

Single alternative decision structure - only has one alternative outcome

The if statement

Code blocks and indentation

```python
if weather == "cold":
    print("Wear a jacket.")
```

A code block is lines of code that belong together

When an if condition evaluates as True, the following code block will execute

When it evaluates as False, the following code block will be skipped

Code blocks and indentation

```python
if weather == "cold":
    print("Wear a jacket.")
```

code block

Code blocks are created in Python by indentation

Generally use 4 spaces to indent

Code blocks and indentation

```
if weather == "cold":
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```

View Go Run Terminal W

Command Palette...	⇧⌘P
Open View...	
Appearance	▶
Editor Layout	▶
Explorer	⇧⌘E
Search	
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Run	⇧⌘D
Extensions	⇧⌘X
Problems	⇧⌘M
Output	⇧⌘U
Debug Console	⇧⌘Y
Terminal	^ `
✓ Toggle Word Wrap	⌥Z
Show Minimap	
✓ Show Breadcrumbs	
✓ Render Whitespace	
Render Control Characters	

Code blocks and indentation

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Multi-line code blocks

```python
if weather == "cold":
    print("Wear a jacket.")
    print("Put on mittens.")
```

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    print("Wear a jacket.")
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