



# **Conditional Statements**



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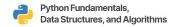


Allow us to run certain lines of code depending on whether certain conditions are met

Control program flow

Python keywords:

if elif (short for else if) else



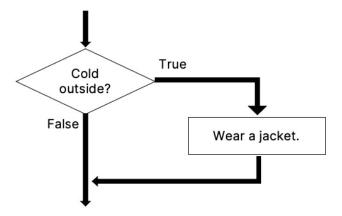
## **Conditional statements**

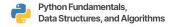


Also known as control structures or decision structures

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

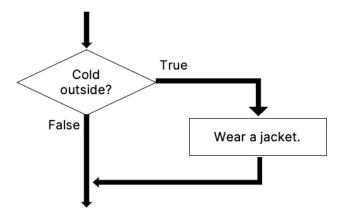




# The if statement



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





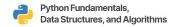


```
if weather == "cold":
    print("Wear a jacket.")
```

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

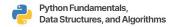




```
if weather == "cold":
    print("Wear a jacket.")
    code block
```

Code blocks are created in Python by indentation

Generally use 4 spaces to indent

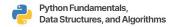




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#### Multi-line code blocks



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

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