Chapter 3: Conditional Execution

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| **Main Points / Examples** | **Notes** |
| * Conditional statements (if statements) execute statements only if certain parameters are met * Types of conditional statements: if, if-else, if-elif | * Boolean expressions return true or false   + Output is a bool class value * *Comparison operators*: compare values (<, >, <=, >=, ==, !=, is, is not) * *logical operators*: and, or, and not (same meaning in English) * *conditional statements*: executes if conditions are met (ex: if statement)   + conditions read left to right   + lines after if statement are indented   + if condition is met, indented code is executed, skipped if not   + *alternative execution*: if one condition not met, another statement is executed instead (if-else statement)   + if statements can be chained together (elif syntax)   + if statements can be nested together * Indents matter |

**Summary**

Conditional execution involves the use of if statements to execute code only when it is needed.