SECTION 22: ERRORS AND EXCEPTIONS HANDLING - 46 minutes, 6 parts

4/4 Chained Comparison Operators

- -> chained comparison operators
- -> chaining multiple comparisons to perform a more complex test
- -> these can be used as a shorthand for longer boolean operations
- -> we also have the `and` and `or` statements
- -> in the project ipynb file
 - -> he gives an example of a boolean operation
 - -> he then combines multiples of these operations

-> we also have and statements in Python

 -> he does an example with this, which combines two of them together

-> he then combines multiples of them together

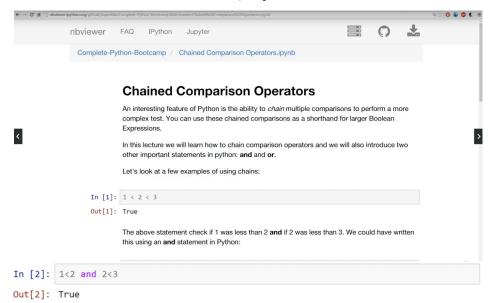
- -> a < and > statement in the same line
- -> Python checks both instances of the comparisons in this case

-> we can also use an `or` boolean operator

 -> Python checks both instances of the comparisons

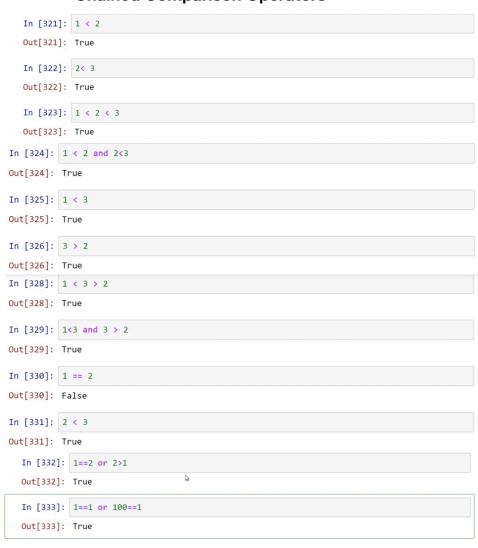
-> either of these statements can be True

- -> checking if the first condition or if the second condition is True
- -> he does another example
- -> chained comparison operators



The **and** is used to make sure two checks have to be true in order for the total check to be true. Let's see another example:

Chained Comparison Operators



· -> `and` and `or` statements in the code

- -> these can be treated as chained comparison operators
- -> we also have a quiz for this

nbviewer

FAQ IPython

Jupyter



Complete-Python-Bootcamp / Chained Comparison Operators.ipynb

Chained Comparison Operators ¶

An interesting feature of Python is the ability to *chain* multiple comparisons to perform a more complex test. You can use these chained comparisons as a shorthand for larger Boolean Expressions.

In this lecture we will learn how to chain comparison operators and we will also introduce two other important statements in python: and and or.

Let's look at a few examples of using chains:

In [1]: 1 < 2 < 3

Out[1]: True

The above statement check if 1 was less than 2 and if 2 was less than 3. We could have written this using an and statement in Python: