

Python Conditions and If statements

Python supports the usual logical conditions from mathematics:

- Equals: `a == b`
- Not Equals: `a != b`
- Less than: `a < b`
- Less than or equal to: `a <= b`
- Greater than: `a > b`
- Greater than or equal to: `a >= b`

We begin an if statement with the if keyword and end with colon
following lines which are indented are included in the scope of the if statement
You can also put statement on same line as if statement if it's not too long

Elif

The elif (elseif) keyword is python's way of saying "if the previous conditions were not true, then try this condition".

Else

The else keyword catches anything which isn't caught by the preceding conditions. It's not required to have elif prior to use of else.

You can put if else on same line if you have short statements

Your if statements can include multiple conditions by using keywords and, or, not

You can include if statements within if statements (nested if statements)

If statement cannot be empty but if you need to have one with no content include the keyword pass to avoid an error

