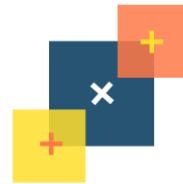


WEEK 3 COURSEPACK



TECH BHOI

JUL 13
JUL 17
2020



TUE JUL 14

COMPARATORS

Common Comparator Ops:

Exactly Equal (==):

`3 == int("3") : True`

Greater than (>):

`4 > 3 : True`

Less than (<):

`3 < 4 : True`

Mixed Comparator Ops:

NOT equal to (!=):

`4 != 3 = True`

Greater than or equal to (>=):

`4 >= 3 = True`

`4 >= 4 = True`

Less than or equal to (<=):

`3 <= 4 : True`

`3 <= 3 : True`

Calculating remainder of division

In programming, often times we need to compare data with each other in order to make a decision on what to do next. A real world example of this is say we are putting on socks in the morning, we reach into our sock drawer and grab any two socks. In order for us to not look like rushed out of the house, we need to compare the two socks and see if they are the same. If they are the same, then we will put on both socks, otherwise we will keep searching until we find the matching sock, to make a complete pair.

When comparing, oftentimes we will be comparing the value stored inside of a variable. We can compare variable to variable, or variable to any data type directly.

REMEMBER:

Exactly equal (== double equals) is a comparison operator, whereas (= single equals) is used when storing a value inside a variable.

ALL COMPARATORS RESULT IN BOOLEAN

