

Ex. TurtleFunction2.py

Draw a multi-colored
square.

Ex. TurtleFunction3.py

Ex. Function 4.py

Chapter 5: Conditionals

A Boolean value is either True
or False.

There are two Boolean literals
in Python

True

False

`type(True)` is 'bool'

A Boolean expression is an expression
that evaluates to True or False.

Ex. `6 == 7` #False

↑ compare for equality operator.

`6 == 6` #True

there are other comparison ops.

Comparison operator

name

$x == y$

compare for eq.

$x != y$

not equals

$x > y$

greater than

$x < y$

less than

$x >= y$

greater than or eq. to

$x <= y$

less " " " "

Ex. $x = 6$
 $y = 7$

$x \boxed{6}$
 $y \boxed{7}$

Also have Boolean operators.

Boolean
operator

math/logic name

$\wedge$ and

conjunction

or

disjunction (inclusive or)

not

negation

Let A, B denote bool expressions

A	B	$A \text{ and } B$
T	T	F
T	F	F
F	T	F
F	F	T