

==> True

=> False

not $\# \Rightarrow$ False

and $\# \Rightarrow$ False

or $\# \Rightarrow \text{True}(\text{short-circuits})$

1#1true#=>true

2 3 5 # => False

1 \Rightarrow 1 # \Rightarrow False

2 3 true 5 # => true

1 != 10 true # == True

2 ≠ 0 ⇒ True

1 2 3 # \Rightarrow True (1 < 2 and 2 < 3)

1 2 3 # \Rightarrow False (1 \leq 2 and 2 \geq 3)

Booleans

True	# => True
False	# => False

not True	# => False
----------	------------

True and False	# => False
----------------	------------

True or False	# => True (short-circuits)
---------------	----------------------------

1 == 1	# => True
--------	-----------

2 * 3 == 5	# => False
------------	------------

1 != 1	# => False
--------	------------

2 * 3 != 5	# => True
------------	-----------

1 < 10	# => True
--------	-----------

2 >= 0	# => True
--------	-----------

1 < 2 < 3	# => True (1 < 2 and 2 < 3)
-----------	-----------------------------

1 < 2 >= 3	# => False (1 < 2 and 2 >= 3)
------------	-------------------------------

bool is a subtype of int, where
True == 1 and False == 0

Strings