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Python 2.7.3 (default, Apr 10 2012, 23:31:26) [MSC v.1500 32 bit
(Intel)]
Type "help", "copyright", "credits" or "license" for more information.
>>> True
True
>>> False
False
#Three boolean operators, and, or, not
>>> not False
True
>>> True and True
True
>>> True and False
False
>>> False and True
False
>>> False and False
False
>>> True or False
True

#Relational operators

>>> 11 < 12
True
>>> 11 > 12
False
>>> 11 != 12
True
>>> 11 != 11
False
>>> 12.00000001 == 12
False
#Generally a bad idea to test equivalence between floats!

#Variables can be bound to a boolean value!

>>> answer = 34 <= 34.0001
>>> answer
True
>>> answer2 = "Hello" == "Hello"
>>> answer2
True
>>> answer2 = "Hello" == "Hello!"
>>> answer2
False
>>> alphabetic_order = 'a' < 'b'
>>> alphabetic_order
True
>>> alphabetic_order2 = 'a' > 'b'
>>> alphabetic_order2
False

#if, elif, else statements allow us to make choices in our programs
>>> pressure = 23.4
>>> temperature = 35.6
>>> temp_limit = 30.

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```
>>>press_limit = 25.
>>>if(pressure>press_limit and temperature>temp_limit):
...     print "ALERT: Evacuate nuclear plant now!"
...elif(temperature>temp_limit):
...     print "It's too hot in here! Open a window!"
...else:
...     print "All is good. Keep pushing buttons until quitting time."
...
It's too hot in here! Open a window!
>>>pressure = 50.
>>>if(pressure>press_limit and temperature>temp_limit):
...     print "ALERT: Evacuate nuclear plant now!"
...elif(temperature>temp_limit):
...     print "It's too hot in here! Open a window!"
...else:
...     print "All is good. Keep pushing buttons until quitting time."
...
ALERT: Evacuate nuclear plant now!
>>>pressure = 10.
>>>temperature = 10.
>>>if(pressure>press_limit and temperature>temp_limit):
...     print "ALERT: Evacuate nuclear plant now!"
...elif(temperature>temp_limit):
...     print "It's too hot in here! Open a window!"
...else:
...     print "All is good. Keep pushing buttons until quitting time."
...
All is good. Keep pushing buttons until quitting time.
```