

In [1]: 2==2

Out[1]: True

In [2]: 2!=2

Out[2]: False

In [3]: 3>4

Out[3]: False

In [8]: 4>3

Out[8]: True

In [9]: 5<=6

Out[9]: True

In [10]: 6<=5

Out[10]: False

In [11]: 7>=8

Out[11]: False

In [12]: 8>=8

Out[12]: True

In [13]: 1<2

Out[13]: True

In [14]: 1<2<3

Out[14]: True

In [15]: 1<2>3

Out[15]: False

In [16]: 1<2 and 2<3

Out[16]: True

In [21]: 1<2 and 2>3

Out[21]: False

In [22]: 1<2 or 2<3

Out[22]: True

In [23]: 1<2 or 2>3

Out[23]: True

In [24]: 3>4 or 5>6

Out[24]: False

we know 100 == 100 but when we use not operator it will shows opposite sign

In [27]: 100 == 100

Out[27]: True

In [28]: not(100==100)

Out[28]: False

In [29]: 50>60

Out[29]: False

In [30]: not(50>60)

Out[30]: True

In []: