```
GIGABYTE@DESKTOP-S8GG3TK MINGW64 ~
$ ipython
Python 3.10.1 (tags/v3.10.1:2cd268a, Dec  6 2021, 19:10:37) [MSC v.1929 64 bit
(AMD64)]
Type 'copyright', 'credits' or 'license' for more information
IPython 7.31.0 -- An enhanced Interactive Python. Type '?' for help.

In [1]: a = True

In [2]: b = False

In [3]: a and b
Out[3]: False

In [4]: c = True

In [5]: d = True

In [6]: a and b and c and d
Out[6]: False

In [7]: a = False

In [8]: b = True

In [9]: a or b
Out[9]: True

In [10]: a = True

In [11]: not a
Out[11]: False

In [12]: a
Out[12]: True

In [13]: a = True

In [14]: b = True

In [15]: a == b
Out[15]: True

In [16]: a != b
Out[16]: False

In [17]: a >= b
Out[17]: True

In [18]: a<=b
Out[18]: True

In [19]: a is b
Out[19]: True

In [20]: a is not b
Out[20]: False

In [21]: a is b
Out[21]: True

In [22]: id(a)
Out[22]: 140720031472488

In [23]: id(b)
Out[23]: 140720031472488

In [24]: a > b
Out[24]: False

In [25]: a < b
Out[25]: False

In [26]: a = True
```

```
In [27]: b = True

In [28]: id(a)
Out[28]: 140720031472488

In [29]: id(b)
Out[29]: 140720031472488

In [30]: a = True

In [31]: b = False

In [32]: id(a)
Out[32]: 140720031472488

In [33]: id(b)
Out[33]: 140720031472520

In [34]: a > b
Out[34]: True

In [35]: a < b
Out[35]: False

In [36]: True > False
Out[36]: True

In [37]: True < False
Out[37]: False

In [38]: 1 > 0
Out[38]: True

In [39]: 1 < 0
Out[39]: False

In [40]: 2 > 3
Out[40]: False

In [41]: 3 < 4
Out[41]: True

In [42]:

In [42]: 3 <= 3
Out[42]: True

In [43]:

In [43]: a = True

In [44]: b = Flase
---------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
<ipython-input-44-c8cd6007cbdf> in <module>
----> 1 b = Flase

NameError: name 'Flase' is not defined

In [45]: b = False

In [46]: a & b
Out[46]: False

In [47]: a | b
Out[47]: True

In [48]: bool(12)
Out[48]: True

In [49]: bool(0)
Out[49]: False

In [50]: bool(1)
Out[50]: True
```

```
In [51]: bool(-1)
Out[51]: True

In [52]: bool("")
Out[52]: False

In [53]: bool(" ")
Out[53]: True

In [54]: bool("0")
Out[54]: True

In [55]: Condition Statement
```