

Operators in Python:

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Activities Terminal Jul 25 20:43 rajlaxmi@rajlaxmi-HP-Laptop-14s-fq1xxx -
rajlaxmi@rajlaxmi-HP-Laptop-14s-fq1xxx:~$ python3
Python 3.10.12 (main, Nov 20 2023, 15:14:05) [GCC 11.4.0] on linux
Type "help", "copyright", "credits" or "license()" for more information.
>>> a = 6
>>> b = 4.8
>>> add = a + b
>>> add
10.8
>>> a-b
1.2000000000000002
>>> mul = a*b
>>> mul
28.799999999999997
>>> Div = a/b
>>> Div
1.25
>>> div = a//b
>>> div
1.0
>>> mod = a%b
>>> mod
1.2000000000000002
>>> x = 5
>>> y = 10
>>> Greater = x>y
>>> Greater
False
>>> Less = x<y
>>> Less
True
>>> Eq = x==y
>>> Eq
False
>>> neq = x!=y
>>> neq
True
>>> Gt = x > y
>>> Gt
False
>>> Gl = x <= y
>>> Gl
True
>>> x = False
>>> y = True
>>> An = x and y
>>> An
False
>>> Or = x or y
>>> Or
True
>>> No = not y
>>> No
False
>>> No = NOT y
File "<stdin>", line 1
No = NOT y
SyntaxError: invalid syntax
```

```
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>>> No = NOT y
File "<stdin>", line 1
No = NOT y
SyntaxError: invalid syntax
>>> x = 4
>>> y = 8
>>> x & y
0
>>> x|y
12
>>> ~y
-9
>>> x ^ y
12
>>> x>>3
0
>>> y >> 3
1
>>> x << 4
64
>>> y << 1
16
>>> x << 1
8
>>> x << 2
16
>>> x >> 1
2
>>> a = 10
>>> b = 20
>>> a
10
>>> b
20
>>> a+= b
>>> a
30
>>> b -= a
>>> b
-10
>>> a *= b
>>> a
-300
>>> a /= b
>>> a
30.0
>>> b % a
20.0
>>> b **= a
File "<stdin>", line 1
b **= a
SyntaxError: invalid syntax
>>> b **= a
```

ActivitiesTerminalJul 25 20:43Screenshot captured
You can paste the image from the clipboard.

```
~  
>>> b ** = a  
File "<stdin>", line 1  
b ** = a  
^  
SyntaxError: Invalid syntax  
>>> b **= a  
>>> b  
1.873741824e+39  
>>> b = 30  
>>> a = 20  
>>> a // = b  
>>> a  
0  
>>> a &= b  
>>> a  
0  
>>> a |= b  
>>> a  
30  
>>> a ^= b  
>>> a  
0  
>>> a >= b  
>>> a  
0  
>>> b <= a  
>>> b  
30  
>>> a is not b  
File "<stdin>", line 1  
a is not b  
IndentationError: unexpected indent  
>>> a = 10  
>>> b = 20  
>>> a is not b  
True  
>>> a is b  
False  
>>> c = a  
>>> a is c  
True  
>>> a is not c  
False  
>>> x = 42  
>>> y = 50  
>>> list = [10, 50, 30]  
>>> x in list  
False  
>>> y in list  
True  
>>> x not in list  
True  
>>> y not in list  
False  
>>>
```