

Operator's in python

- Arithmetic operators
- Assignment operators
- Relational operators
- Logical operators
- Unary operators

Arithmetic operator

```
In [1]: x1,y1 = 10,5
```

```
In [2]: x1 + y1
```

```
Out[2]: 15
```

```
In [3]: x1 - y1
```

```
Out[3]: 5
```

```
In [4]: x1 * y1
```

```
Out[4]: 50
```

```
In [5]: x1 // y1
```

```
Out[5]: 2
```

```
In [6]: x1 % y1
```

```
Out[6]: 0
```

```
In [7]: x1 ** y1
```

```
Out[7]: 100000
```

```
In [8]: 2 ** 3
```

```
Out[8]: 8
```

Assignment operator

```
In [9]: x =2
```

```
In [10]: x = x + 2
```

```
In [11]: x
```

Out[11]: 4

In [12]: `x += 2`

In [13]: `x`

Out[13]: 6

In [14]: `x += 2`

In [15]: `x`

Out[15]: 8

In [16]: `x *= 2`

In [17]: `x`

Out[17]: 16

In [18]: `x -= 2`

In [19]: `x`

Out[19]: 14

In [20]: `x /= 2`

In [21]: `x`

Out[21]: 7.0

In [22]: `a, b = 5, 6`

In [23]: `a`

Out[23]: 5

In [24]: `b`

Out[24]: 6

Unary operator

In [29]: `n = 7`

In [31]: `m = -(n)`

In [32]: `m`

Out[32]: -7

```
In [33]: n
```

```
Out[33]: 7
```

```
In [34]: -n
```

```
Out[34]: -7
```

Relational operator

```
In [35]: a = 5  
b = 7
```

```
In [36]: a == b
```

```
Out[36]: False
```

```
In [37]: a < b
```

```
Out[37]: True
```

```
In [38]: a > b
```

```
Out[38]: False
```

```
In [39]: a == b
```

```
Out[39]: False
```

```
In [40]: a = 10
```

```
In [41]: a != b
```

```
Out[41]: True
```

```
In [42]: b = 10
```

```
In [43]: a == b
```

```
Out[43]: True
```

```
In [44]: a >= b
```

```
Out[44]: True
```

```
In [45]: a <= b
```

```
Out[45]: True
```

```
In [46]: a < b
```

```
Out[46]: False
```

```
In [47]: a > b
```

```
Out[47]: False
```

```
In [48]: b = 7
```

```
In [49]: a != b
```

```
Out[49]: True
```

Logical operator

```
In [50]: a = 5  
b = 4
```

```
In [51]: a < 8 and b < 5
```

```
Out[51]: True
```

```
In [52]: a < 8 and b < 2
```

```
Out[52]: False
```

```
In [53]: a < 8 or b < 2
```

```
Out[53]: True
```

```
In [54]: a > 8 or b < 2
```

```
Out[54]: False
```

```
In [ ]: x =
```

```
In [ ]:
```

```
In [ ]:
```

```
In [ ]:
```