

ARITHMETIC OPERATORS

```
In [1]: a=10  
        b=5  
        a
```

```
Out[1]: 10
```

```
In [2]: b
```

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

```
In [3]: a,b=5,10
```

```
In [4]: a,b
```

```
Out[4]: (5, 10)
```

```
In [5]: print(a,b)
```

```
5 10
```

```
In [6]: print((a,b))
```

```
(5, 10)
```

```
In [7]: a+b
```

```
Out[7]: 15
```

```
In [8]: a_b
```

```
-----  
NameError                                Traceback (most recent call last)  
Cell In[8], line 1  
----> 1 a_b  
  
NameError: name 'a_b' is not defined
```

```
In [9]: a-b
```

```
Out[9]: -5
```

```
In [10]: a*b
```

```
Out[10]: 50
```

```
In [11]: b/a
```

```
Out[11]: 2.0
```

In [12]: `b//a`

Out[12]: 2

In [13]: `b%a`

Out[13]: 0

In [14]: `a%b`

Out[14]: 5

In [15]: `a''b`

```
Cell In[15], line 1
    a''b
      ^
SyntaxError: invalid syntax
```

In [16]: `a"b`

```
Cell In[16], line 1
    a"b
      ^
SyntaxError: unterminated string literal (detected at line 1)
```

In [17]: `a'b`

```
Cell In[17], line 1
    a'b
      ^
SyntaxError: unterminated string literal (detected at line 1)
```

In [18]: `a=10`
`b=5`

In [19]: `a**b`

Out[19]: 100000

In [20]: `b**a`

Out[20]: 9765625

In [21]: `a***b`

```
Cell In[21], line 1
    a***b
      ^
SyntaxError: invalid syntax
```

ASSIGNMENT OPERATORS

```
In [22]: a=10  
a=a+10
```

```
In [23]: a
```

```
Out[23]: 20
```

```
In [24]: a+=2
```

```
In [25]: a
```

```
Out[25]: 22
```

```
In [26]: a+=4  
a
```

```
Out[26]: 26
```

```
In [27]: a+=4  
a
```

```
Out[27]: 30
```

```
In [28]: a-=4  
a
```

```
Out[28]: 26
```

```
In [29]: a-=4  
a
```

```
Out[29]: 26
```

```
In [30]: a*=2  
a
```

```
Out[30]: 52
```

```
In [31]: a/=2  
a
```

```
Out[31]: 26.0
```

```
In [32]: a//=2  
a
```

```
Out[32]: 13.0
```

```
In [33]: a=64.0  
b=2  
a//b
```

Out[33]: 32.0

```
In [34]: a=64  
b=2  
a//b
```

Out[34]: 32

```
In [35]: a=64  
b=2.0  
a//b
```

Out[35]: 32.0

RELATIONAL OPERATORS

```
In [ ]: a=
```