

```
>>> #assignment operators
```

```
>>>
```

```
>>> x=5
```

```
>>> y=13
```

```
>>> x+=y
```

```
>>> print(x)
```

```
18
```

```
>>> x-=y
```

```
>>> print(y)
```

```
13
```

```
>>> x*=y
```

```
>>> print(x)
```

```
65
```

```
>>> x/=y
```

```
>>> print(x)
```

```
5.0
```

```
>>> x//=y
```

```
>>> print(x)
```

```
0.0
```

```
>>> x**=y
```

```
>>> print(x)
```

```
0.0
```

```
>>> x=5
```

```
>>> y=13
```

```
>>> x**=y
```

```
>>> print(x)
```

```
1220703125
```

```
>>> x%=y
```

```
>>> print(x)
```

```
5
```

```
>>> |
```

```
>>> #logical operators
```

```
>>>
```

```
>>> x=5
```

```
>>> y=2
```

```
>>> x and y
```

```
2
```

```
>>> x or y
```

```
5
```

```
>>> not x
```

```
False
```

```
>>> not y
```

```
False
```

```
>>> |
```

```
>>> #bitwise operators
```

```
>>> x=10
```

```
>>> y=2
```

```
>>>
```

```
>>> x&y
```

```
2
```

```
>>> x|y
```

```
10
```

```
>>> x~y
```

```
SyntaxError: invalid syntax
```

```
>>> ~x
```

```
-11
```

```
>>> x^y
```

```
8
```

```
>>> x>>2
```

```
2
```

```
>>> x>>1
```

```
5
```

```
>>> x<<y
```

```
40
```

```
>>> x<<2
```

```
40
```

```
>>> x<<1
```

```
20
```

```
>>>
```

```
>>> #arithmetic operators
```

```
>>>
```

```
>>> x=5
```

```
>>> y=3
```

```
>>>
```

```
>>> x+y
```

```
8
```

```
>>> x-y
```

```
2
```

```
>>> x*y
```

```
15
```

```
>>> x/y
```

```
1.6666666666666667
```

```
>>> x
```

```
5
```

```
>>>
```

```
>>>
```

```
>>> x%y
```

```
2
```

```
>>> x//y
```

```
1
```

```
>>> x**y
```

```
125
```

```
>>> |
```

```
>>> #Membership operators
```

```
>>>
```

```
>>> #on list
```

```
>>> l=[10,20,30]
```

```
>>> a= 25
```

```
>>> a in l
```

```
False
```

```
>>> a not in l
```

```
True
```

```
>>>
```

```
>>> #on tuple
```

```
>>> l=(14,26,36,4)
```

```
>>> a=5
```

```
>>> a in l
```

```
False
```

```
>>> a not in l
```

```
True
```

```
>>>
```

```
>>> #on dictionary
```

```
>>> l={37,357,365,26}
```

```
>>> a=252
```

```
>>> a not in l
```

```
True
```

```
>>> a in l
```

```
False
```

```
>>> |
```

```
>>> #identity operators
```

```
>>> a=45
```

```
>>> b=35
```

```
>>> a is b
```

```
False
```

```
>>> a is not b
```

```
True
```

```
>>> |
```

```
>>> #comparision operators
>>> x=23
>>> y=32
>>>
>>> x<y
True
>>> x>y
False
>>> x==y
False
>>> x!=y
True
>>> x>y
False
>>> x>=y
False
>>> x<y
True
>>> x<=y
True
>>>
```