```
[2] a=2
    b=7
```

```
[3] a&b
```

```
    2
```

```
[4] a|b
```

```
    7
```

```
[5] ~a
```

```
    -3
```

```
[6] a^b
```

```
    5
```

```
[8] a>>1
```

```
    1
```

```
a<<2
```

```
[10] #print all comparison operators
```

```
[11] a=6
     b=2
```

```
[12] a>b
```

True

```
[14] a<b
```

False

```
[15] a==b
```

False

```
[18] a!=b
```

↱ True

```
[19] a>=b
```

True

```
a<=b
```

```
[3] a=6
    b=4
```

```
[4] a+b
```

```
10
```

```
[5] a-b
```

```
2
```

```
[6] a*b
```

```
24
```

```
[7] a/b
```

```
1.5
```

```
[8] a%b
```

```
2
```

```
a//b
```

```
[8] a%b
```

2

```
a//b
```

1

```
[9] a**b
```

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```python
#print logical operator
a=10
b=2
print( a and b)
print( a or b)
print ( not b)
```

```
10
False
```

```python
#print membership operator
l= [ 10,20,30,40]
a=10
print ( a in l)
print( a  not in l)
```

True
False

```python
#print identity operator
a=10
b=10
print( id( a))
print( id(a))
print ( a is b)
print( a is not b)
```

```
40315266929184
40315266929184
ue
lse
```