logical operators

In [2]:
```
a=5
b=4
```

In [3]:
```
a<8 and b<5
```

Out[3]: True

In [4]:
```
a<8 and b<2
```

Out[4]: False

In [5]:
```
a>8 and b>2
```

Out[5]: False

In [6]:
```
x=False
```

In [7]:
```
a>8 or b>2
```

Out[7]: True

In [8]:
```
not x
```

Out[8]: True

In [9]:
```
25
```

Out[9]: 25

In [10]:
```
bin(25)
```

Out[10]: '0b11001'

In [11]:
```
int(0b11001)
```

Out[11]: 25

In [12]:
```
bin(30)
```

Out[12]: '0b11110'

In [13]:
```
hex(30)
```

Out[13]: '0x1e'

In [14]:
```
oct(30)
```

Out[14]: '0o36'

In [15]:
```
0xb
```

Out[15]: 11

In [17]:
```
hex(0)
```

Out[17]: '0x0'

In [18]:
```
a=5
b=6
```

In [19]:
```
a=b
b=a
```

In [20]:
```
print(a)
print(b)
```

```
6
6
```

In [21]:
```
a1=8
b1=9
```

In [22]:
```
temp=a1
a1=b1
b1=temp
```

In [23]:
```
print(a1)
print(b1)
```

```
9
8
```

In [24]:
```
a2=5
b2=6
```

In [25]:
```
a2=a2+b2
```

In [26]:
```
b2=a2-b2
```

In [27]:
```
print(a2)
print(b2)
```

```
11
5
```

In [28]:
```
a2=a2-b2
a2
```

Out[28]: 6

In [29]:
```
a2,b2
```

Out[29]: (6, 5)

In [30]:
```
print(a2)
print(b2)
```

```
6
5
```

In [31]:
```
~10
```

Out[31]: -11

In [33]:
```
12&13
```

Out[33]: 12

In [34]:
```
12|13
```

Out[34]: 13

In [35]:
```
1&0
```

Out[35]: 0

In [36]:
```
1|0
```

Out[36]: 1

In [37]:
```
12^13
```

Out[37]: 1

In [38]:
```
25^30
```

Out[38]: 7

In [39]:
```
bin(7)
```

Out[39]: '0b111'

In [40]:
```
10>>2
```

Out[40]: 2

In [41]:
```
10>>3
```

Out[41]: 1

In [ ]:
```

```