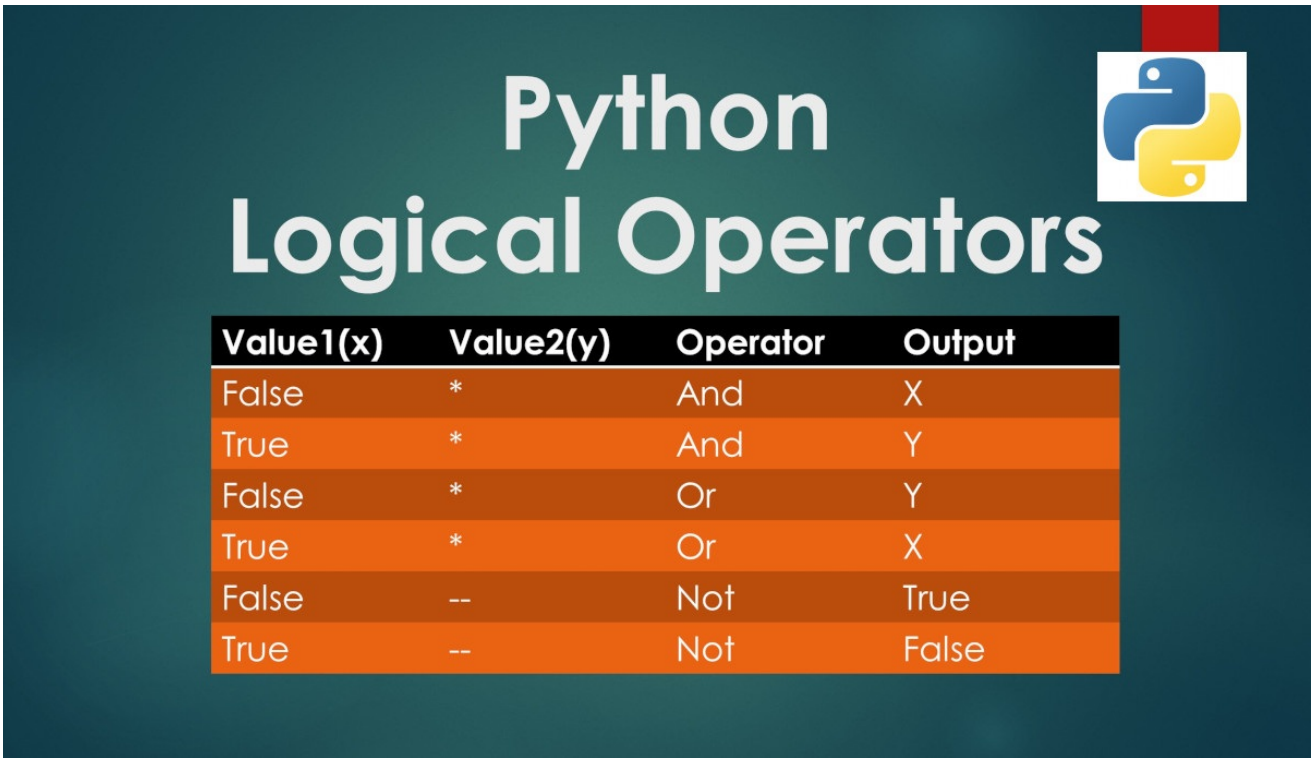
Logical Operator



In [2]:
```
#logical operator
print((5>2) and (3>1))
```

```
True
```

In [3]:
```
# In and operator both condition must be true
#In or one of the condition can be true
print((5>2) and (3<1))
```

```
False
```

In [4]:
```
print((5>2) or (3<1))
```

```
True
```

In [6]:
```
#What not operator will do?
# - it will return reverse result
print(not (5>2) and (3>1))
```

```
False
```

In [7]:
```
#More example
x=10
y=15
print(x==10 and x<y)
```

```
True
```

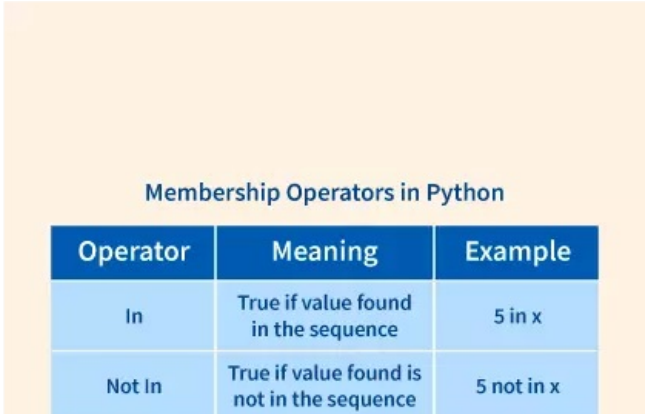
In [8]:
```
print(x==10 or x>y)
```

```
True
```

In [9]:
```
print(not(x==10 and x<y))
```

```
False
```

Membership Operator



In [10]:
```
#Lets use this in list, tuple, string (for list, tuple and string see another files about list, tuples and stri
```

In [19]:
```
L=[1,2,3,4,5]
T=(2,"ram", 2.5)
S="Krishna"
```

In [12]:
```
print(1 in L)
```

```
True
```

In [13]:
```
print(6 in L)
```

```
False
```

In [20]:
```
print('r' in S)
```

```
True
```

In [21]:
```
print(6 not in T)
```

```
True
```

In [22]:
```
print('s' not in S)
```

```
False
```

In [ ]: