

BOOLEAN AND COMPARISON OPERATORS

COMPARISON OPERATORS

```
<
>
>=
<=
and
or
```

- Can be used in chain comparison operations.

BOOLEAN OPERATORS

- **True**. Numerical substitute is **1**.
- **False**. Numerical substitute is **0**.

INVERSE BOOLEAN

- The **not** statement can be used to create an inverse boolean output.

MEMBERSHIP OPERATOR

- The **in** statement checks if a variable is also found in another variable.

In [2]:

```
True
```

Out[2]:

```
True
```

In [3]:

```
False
```

Out[3]:

```
False
```

In [4]:

```
not True
```

Out[4]:

```
False
```

In [5]:

```
not False
```

```
not False
```

```
Out[5]:
```

```
True
```

```
In [7]:
```

```
True == 1
```

```
Out[7]:
```

```
True
```

```
In [8]:
```

```
False == 0
```

```
Out[8]:
```

```
True
```

```
In [21]:
```

```
True and True  
False and False  
True and False  
True or False
```

```
Out[21]:
```

```
True
```

```
In [27]:
```

```
10 == 10  
10 != 10  
10 != 2  
50 == 2
```

```
Out[27]:
```

```
False
```

```
In [25]:
```

```
200 >= 2001  
500 <= 3000
```

```
Out[25]:
```

```
True
```

```
In [16]:
```

```
10 > 1 and 4 == 4  
10 > 1 and 4 != 4
```

```
Out[16]:
```

```
False
```

```
In [40]:
```

```
var = "house"  
var2 = "cinema"
```

```
var3 = "temple"
```

In [33]:

```
"o" in var  
"n" in var  
"n" not in var
```

Out[33]:

True

In [47]:

```
24 >= 20 > 4 == 4 or 50 < 100 >40 != 40
```

Out[47]:

True

In [53]:

```
"h" in var and "z" not in var3 and 10 > 4 != 50 and 4000 <= 5000
```

Out[53]:

True

In [43]:

```
print(var, var2, var3)
```

house cinema temple