



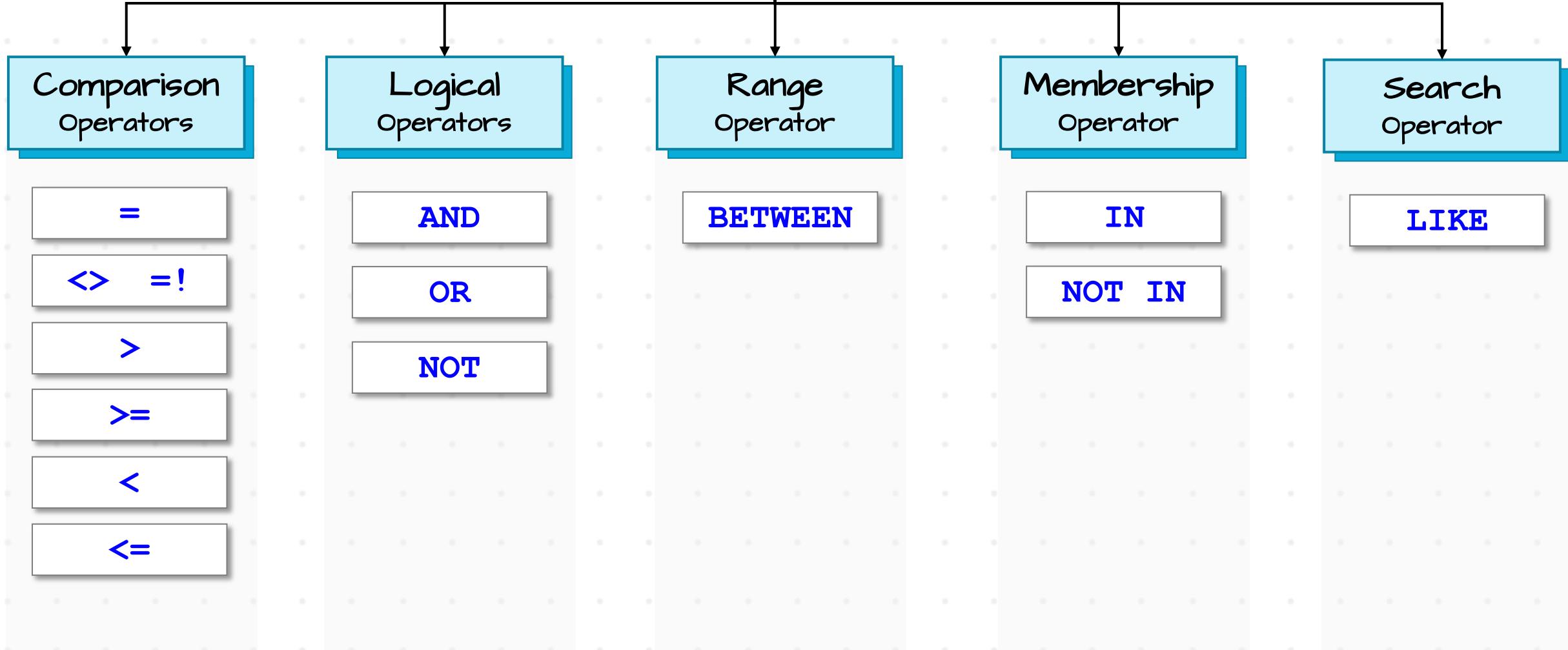
# Filtering Data

## WHERE CONDITIONS

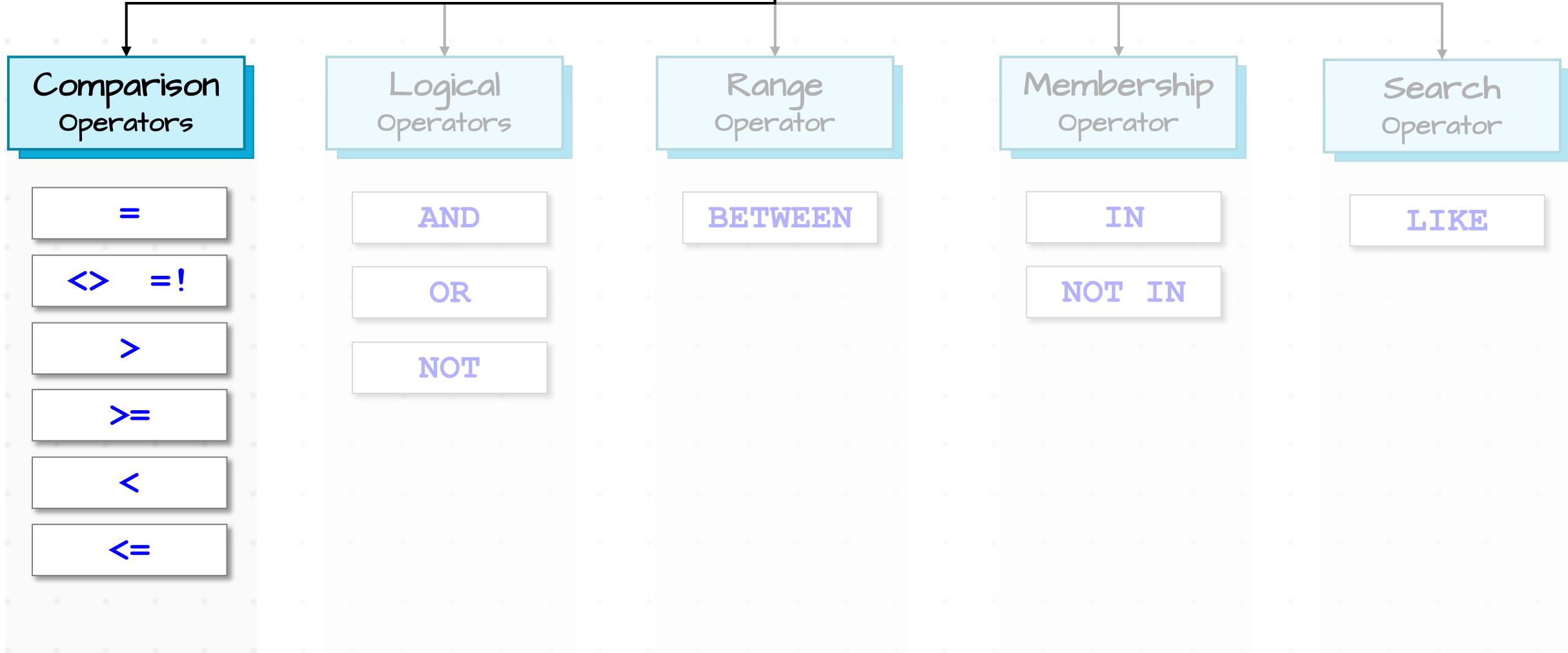
Baraa Khatib Salkini  
YouTube | **DATA WITH BARAA**  
SQL Course | FILTERING DATA



# WHERE operators



# WHERE operators



# Comparison Operators

=

Checks if two values are **equal**

<> !=

Checks if two values are **not equal**

>

Checks if a value is **greater than** another value.

>=

Checks if a value is **greater than or equal to** another value

<

Checks if a value is **less than** another value

<=

Checks if a value is **less than or equal to** another value

Compare two Things!

## Comparison Operators



Condition →



Column1 = Column2

Column1 = Value

Function = Value

Expression = Value

Subquery = Value

Advanced

first\_name = last\_name

first\_name = 'John'

UPPER(first\_name) = 'JOHN'

Price \* Quantity = 1000

(SELECT AVG(sales)  
FROM orders) = 1000

WHERE



Condition

Country = 'USA'

Name	Country	Score	
Maria	Germany	350	✗
John	USA	900	✓
Georg	UK	750	✗
Martin	Germany	500	✗
Peter	USA	0	✓

# WHERE operators



# Logical Operators

**AND**

All conditions must be TRUE

**OR**

At least one condition must be TRUE

**NOT**

(Reverse) Excludes matching values

**BETWEEN**

Check if a value is within a range

**IN**

Check if a value exists in a list

**LIKE**

Search for a pattern in text

# WHERE



"All Conditions  
Must be TRUE~

Condition 1  
Country = 'USA'

AND

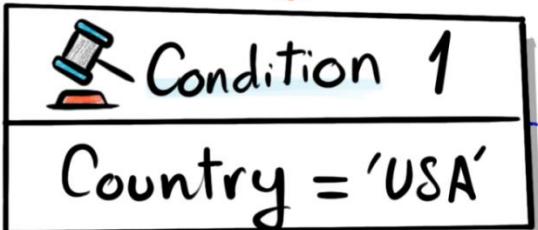
Condition 2  
Score > 500

Name	Country	Score
Maria	Germany	350
John	USA	900
George	UK	750
Martin	Germany	500
Peter	USA	0

X	X	X
✓	✓	✓
X	X	✓
X	X	X
X	✓	X

~At least One Condition  
Must be TRUE~

WHERE



OR



Name	Country	Score
Maria	Germany	350
John	USA	900
Georg	UK	750
Martin	Germany	500
Peter	USA	0

X	X	X
✓	✓	✓
✓	X	✓
X	X	X
✓	✓	X

WHERE



NOT ↗



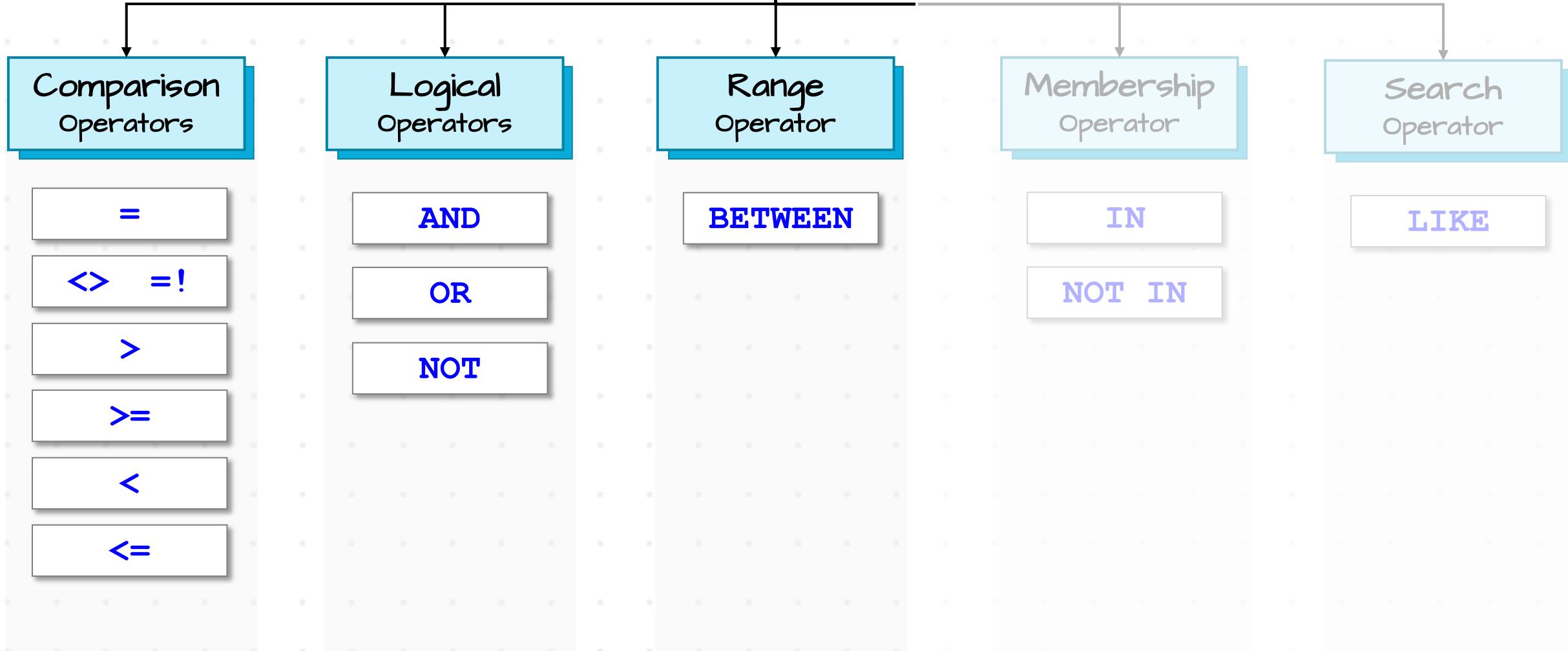
Condition

Country = 'USA'

Name	Country	Score	
Maria	Germany	350	✓
John	USA	900	✗
Georg	UK	750	✓
Martin	Germany	500	✓
Peter	USA	600	✗

 "Excludes  
Matching  
Rows"

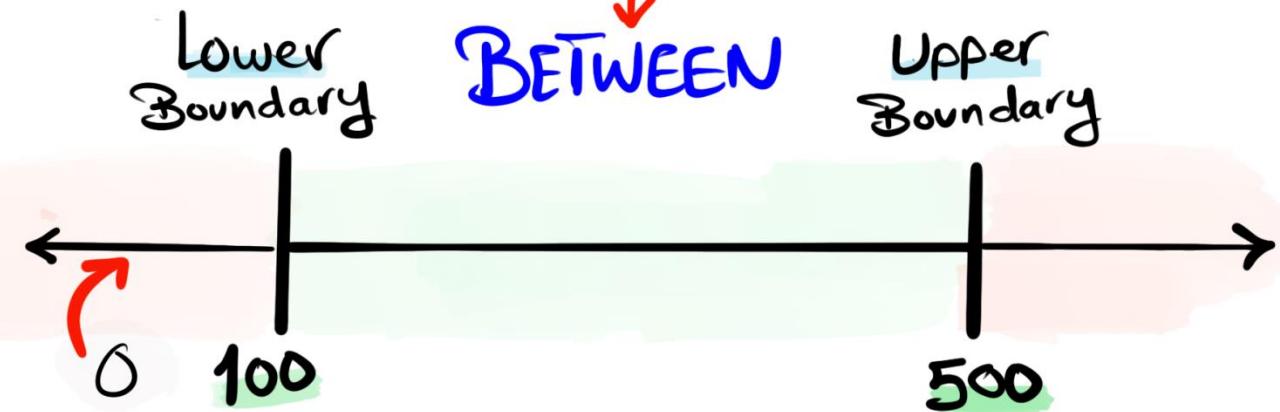
# WHERE operators



WHERE



BETWEEN

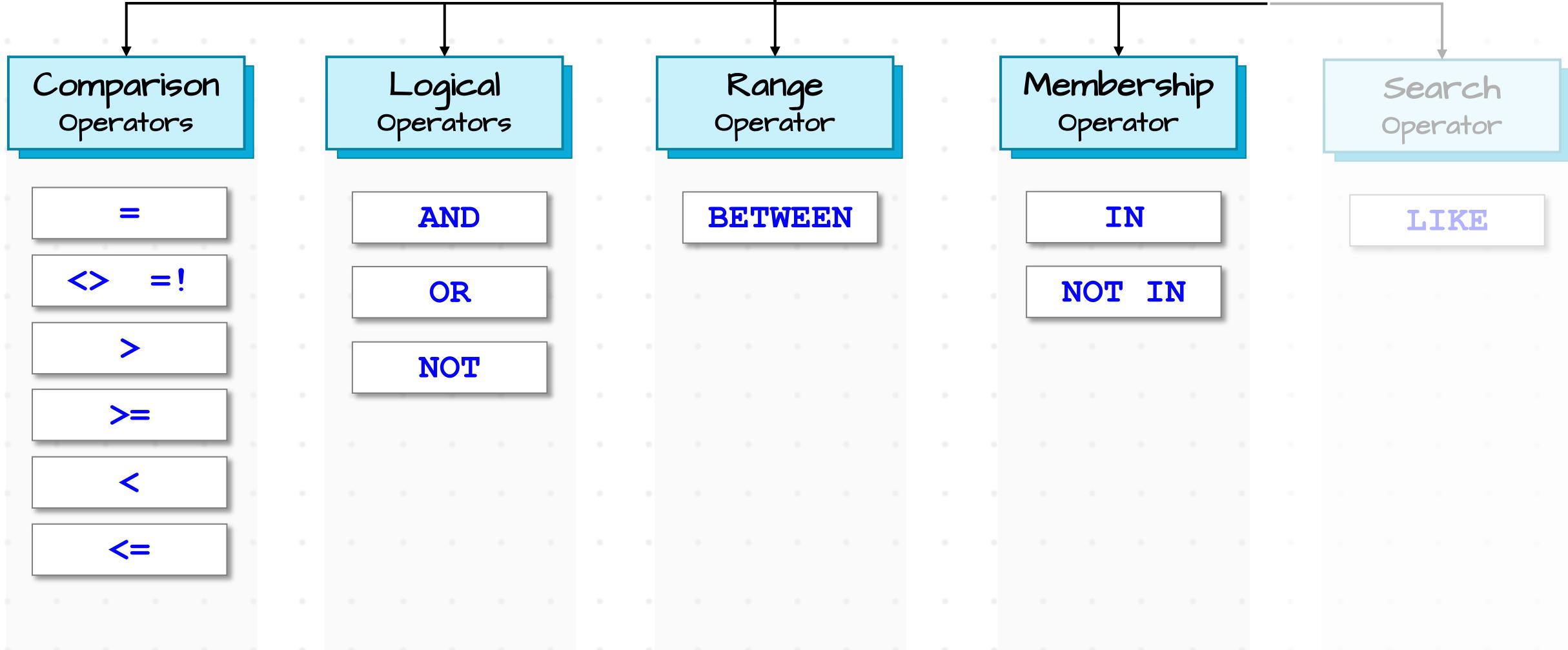


Name Country Score

Maria	Germany	350
John	USA	900
Georg	UK	750
Martin	Germany	500
Peter	USA	0



# WHERE operators





Name	Country	Score
Maria	Germany	350
John	USA	900
Georg	UK	750
Martin	Germany	500
Peter	USA	0

IN	NOT IN
✓	✗
✓	✗
✗	✓
✓	✗
✓	✗

# WHERE operators

