



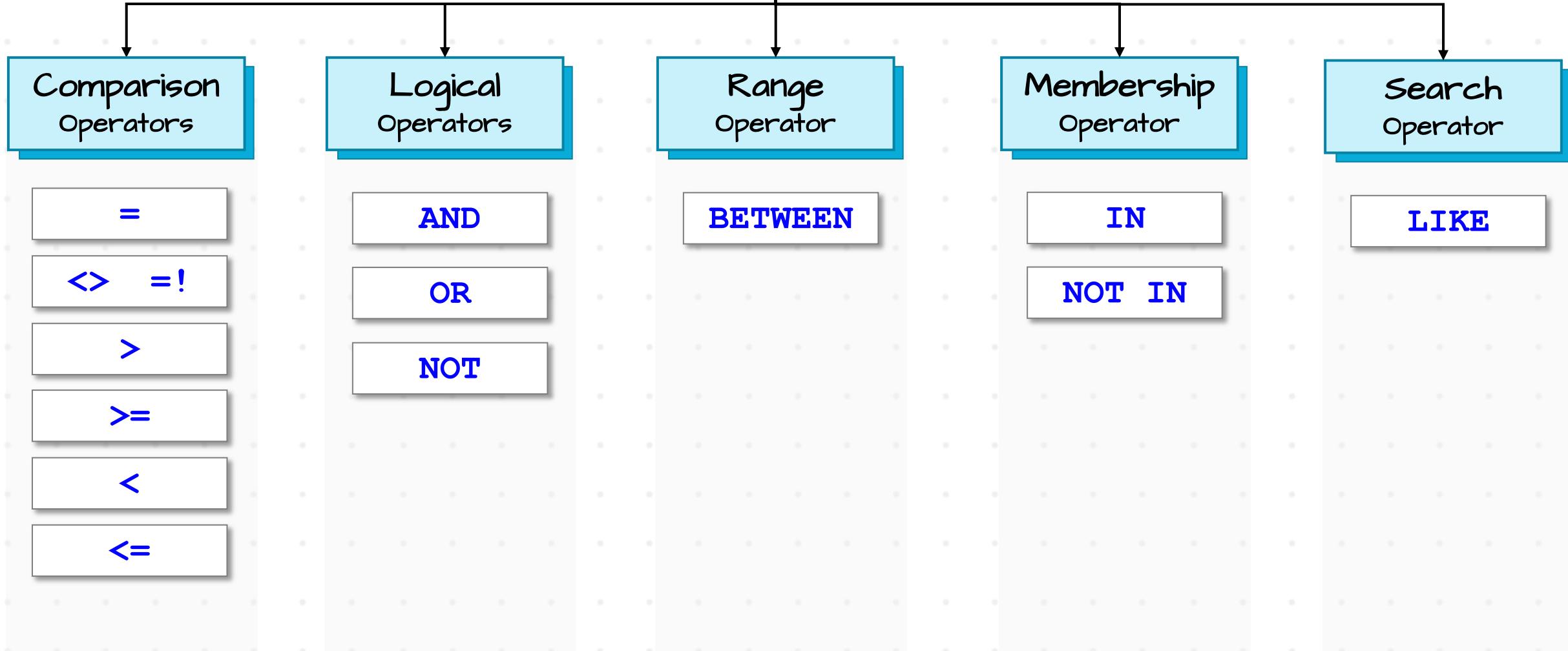
Filtering Data

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

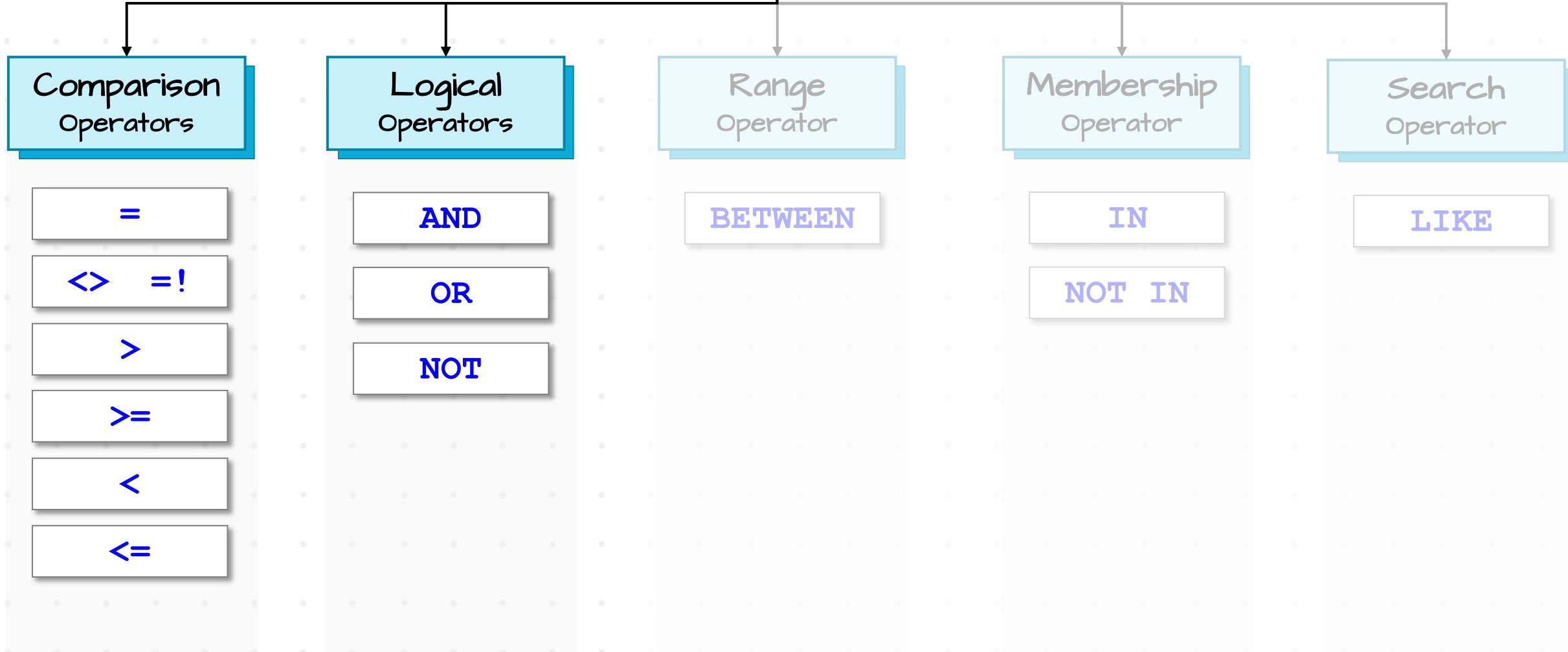


 Condition

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

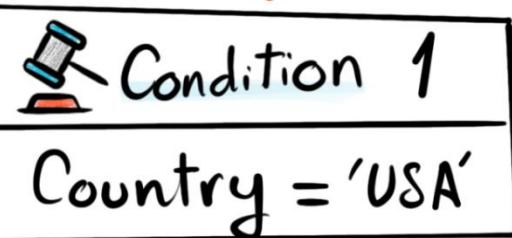
LIKE

Search for a pattern in text

WHERE



"All Conditions
Must be TRUE~"



AND

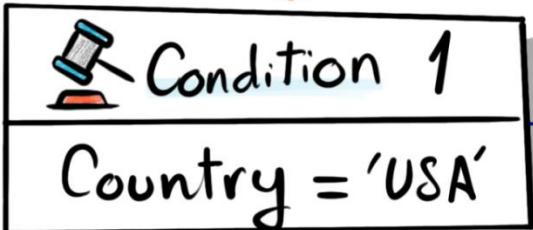


Name	Country	Score
Maria	Germany	350
John	USA	900
George	UK	750
Martin	Germany	500
Peter	USA	0

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 ↗



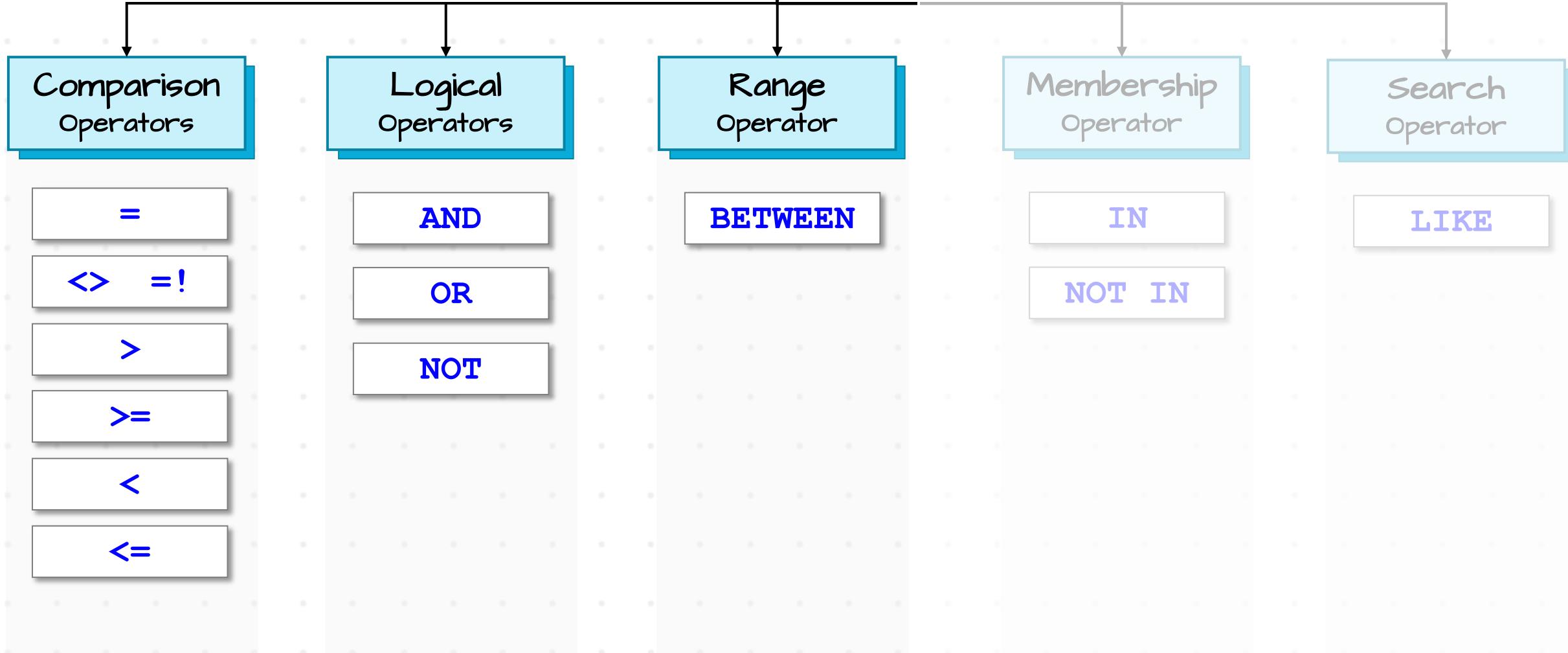
Condition

Country = 'USA'

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

"Excludes
Matching
Rows"

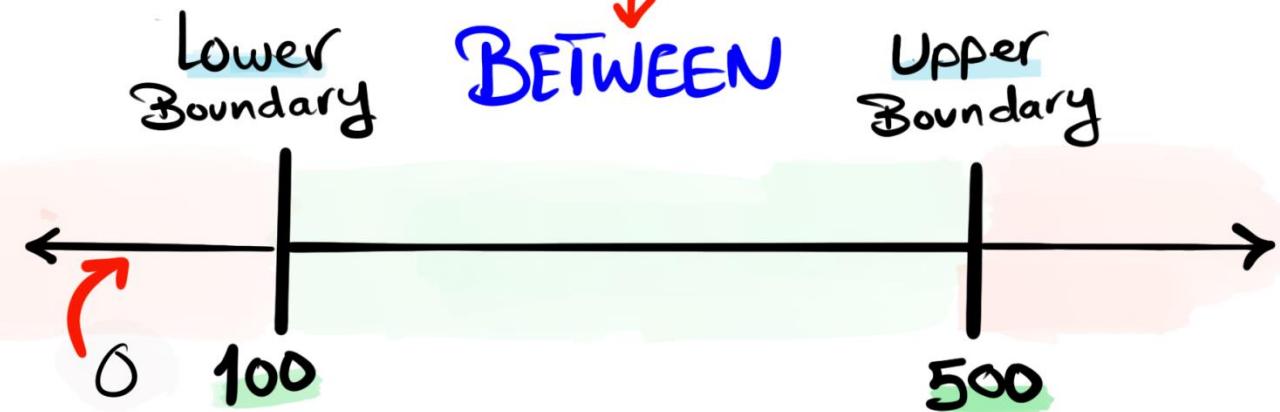
WHERE operators



WHERE



BETWEEN



Name Country Score

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

✓

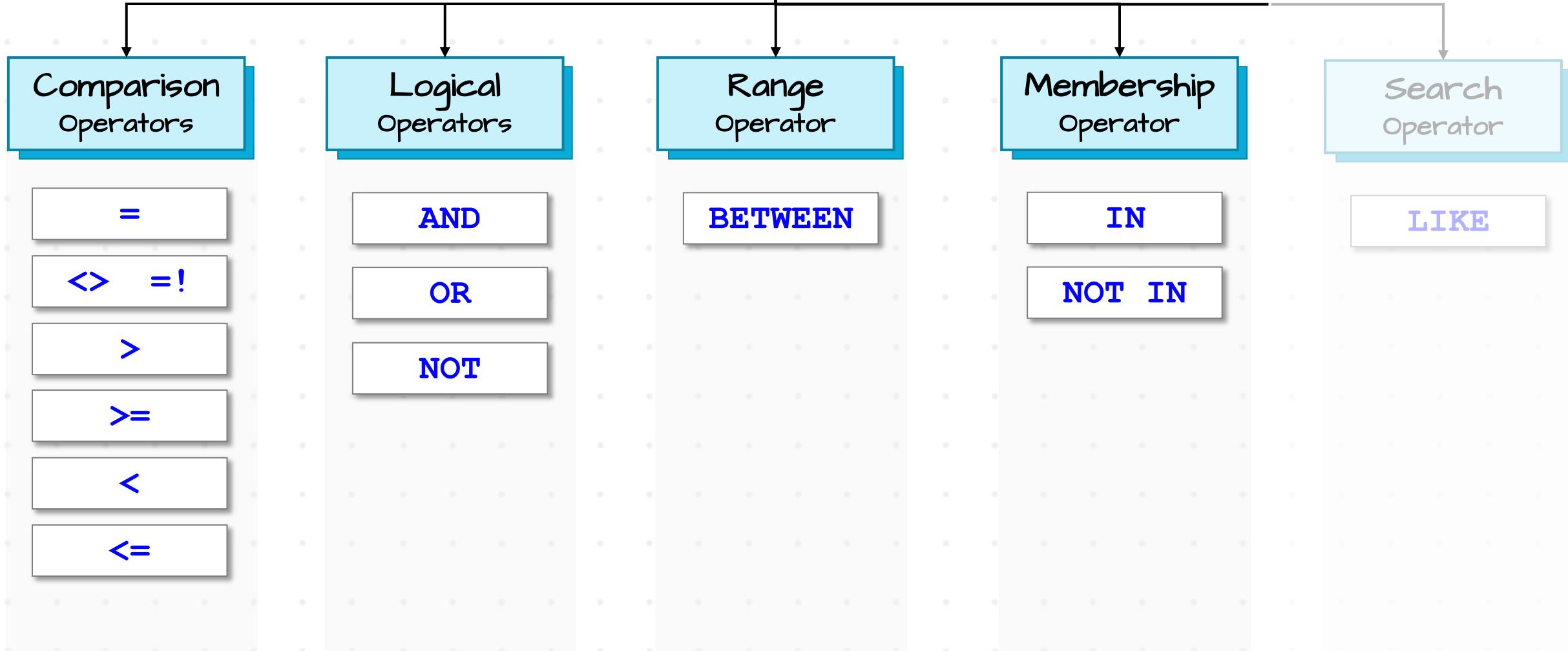
✗

✗

✓

✗

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

