



DATA WITH BARAA

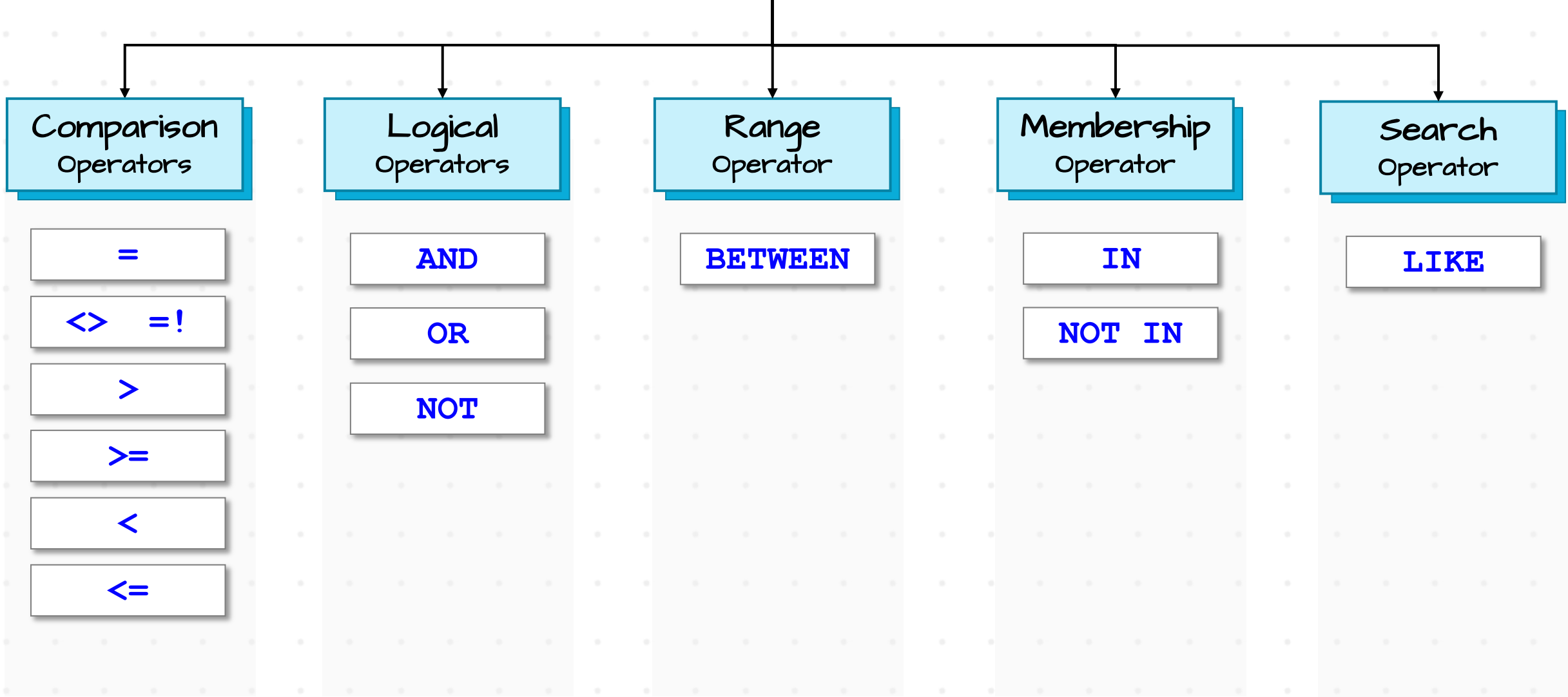
Filtering Data

WHERE CONDITIONS

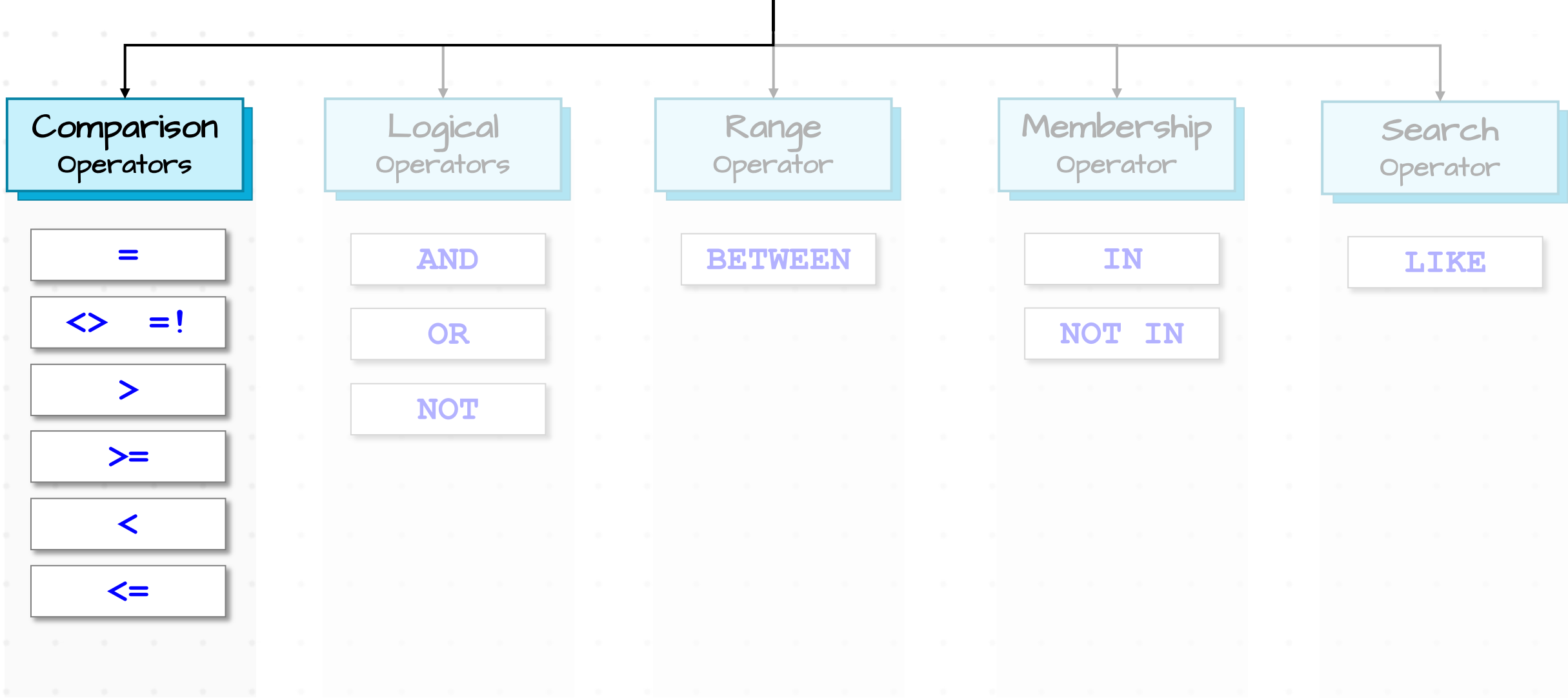
Baraa Khatib Salkini
YouTube | **DATA WITH BARAA**
SQL Course | FILTERING DATA



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 →

Expression

Operator

Expression

Column1 = Column2

first_name = last_name

Column1 = Value

first_name = 'John'

Function = Value

UPPER(first_name) = 'JOHN'

Expression = value


Price * Quantity = 1000

Subquery = value

(SELECT AVG(sales)
FROM orders) = 1000

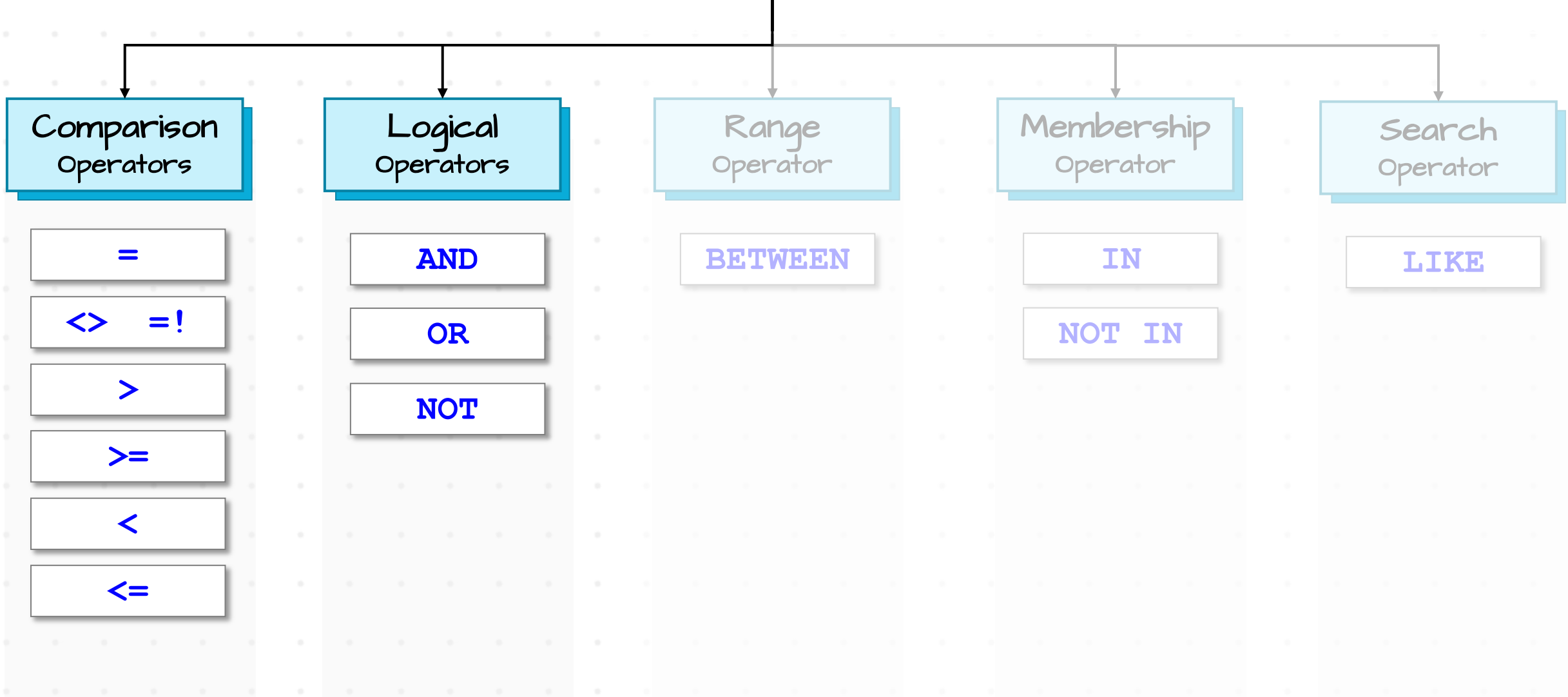
Advanced

WHERE 

 Condition
Country = 'USA'

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

✗

✓

✗

✗

✓

✗

✓


✓

✗

✗

~ At least One Condition
Must be TRUE ~

WHERE 

 Condition 1
 Country = 'USA'

OR

 Condition 2
 Score > 500

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

X

✓

X

X

✓

X

✓


✓

X

X

WHERE 

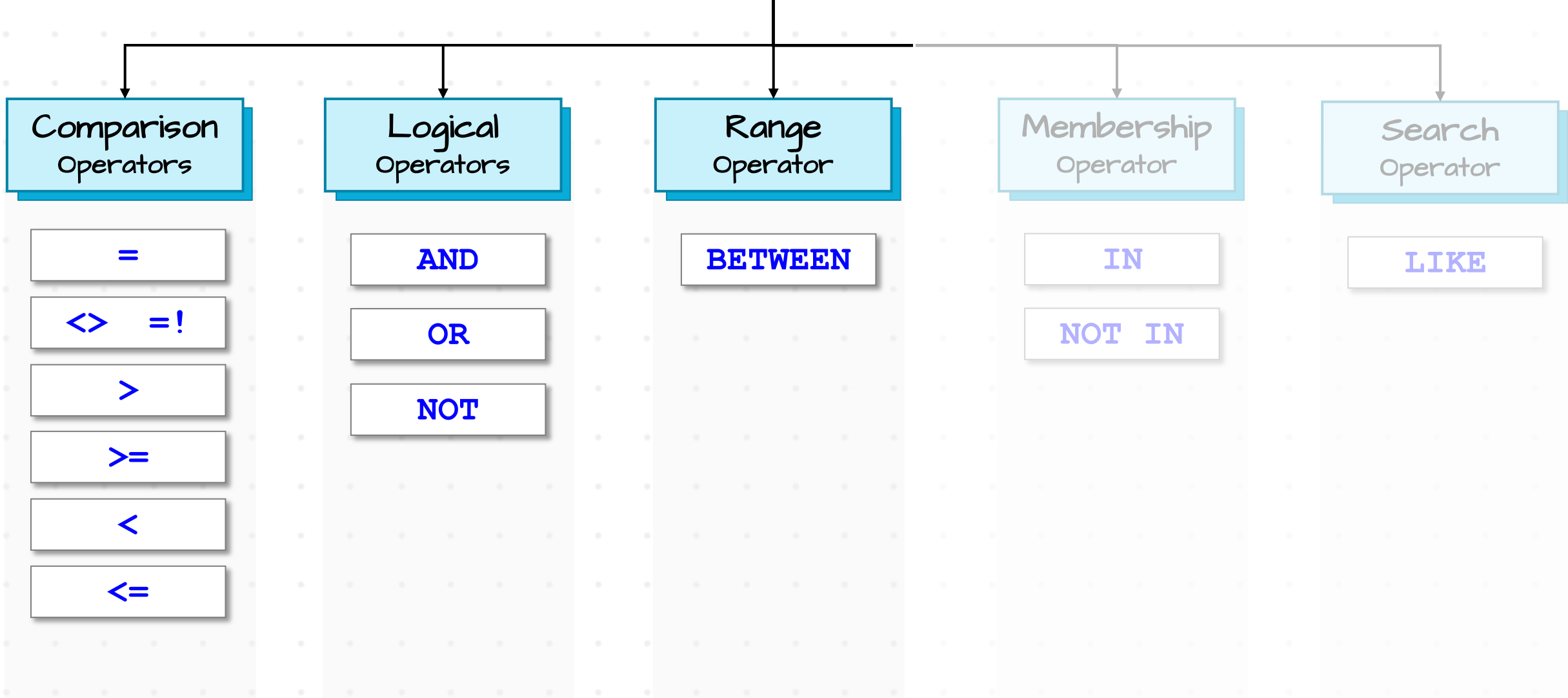
NOT →

 Condition
 Country = 'USA'

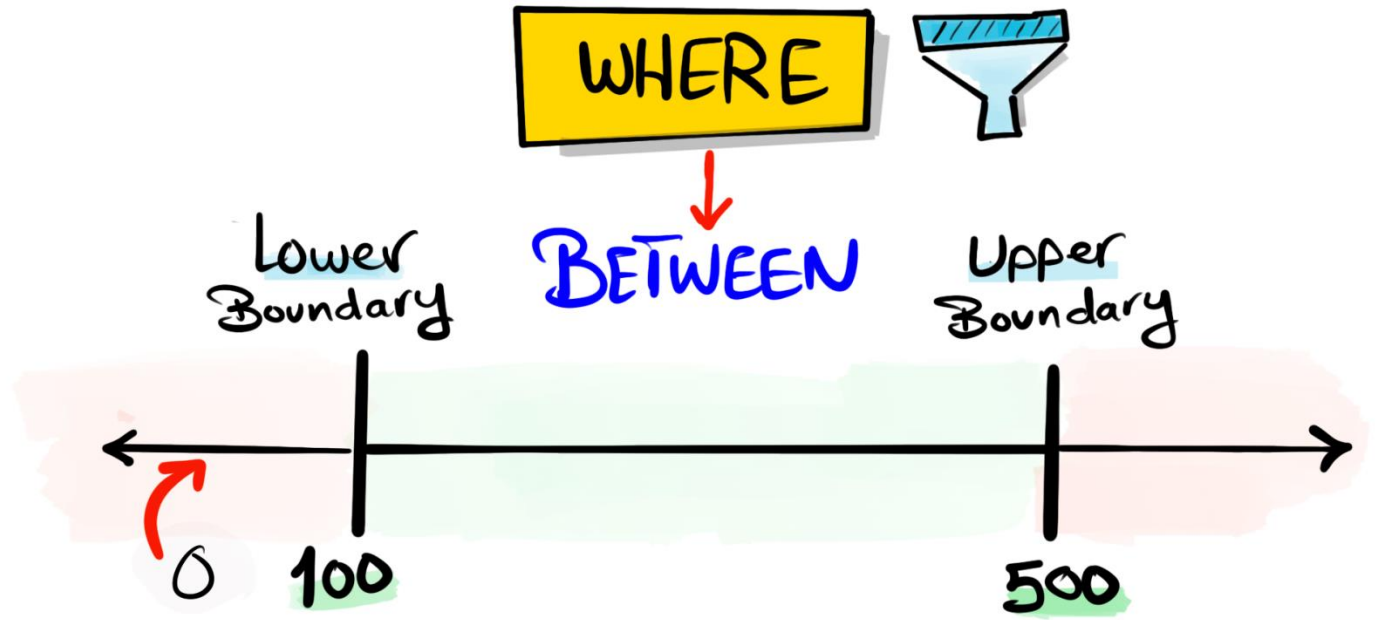
~Excludes
Matching
Rows~

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

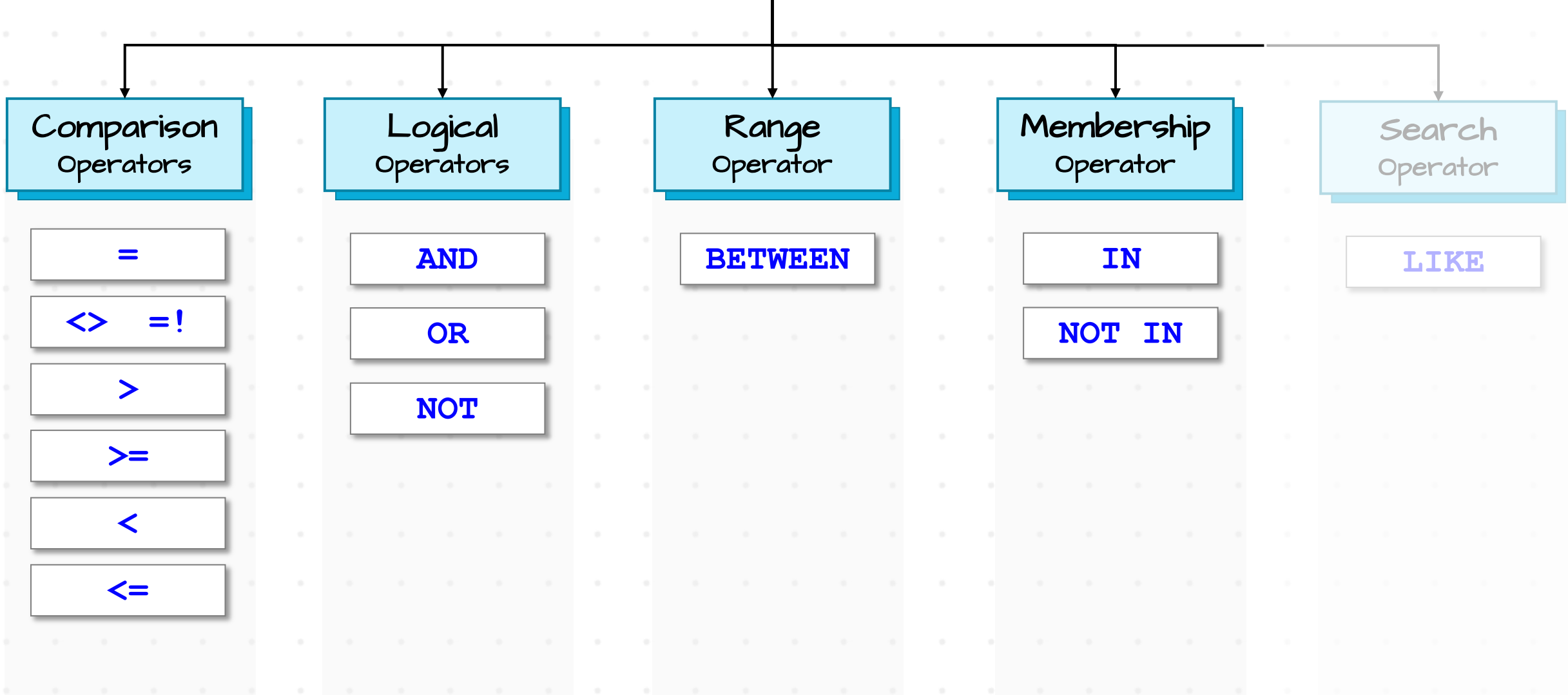
WHERE operators

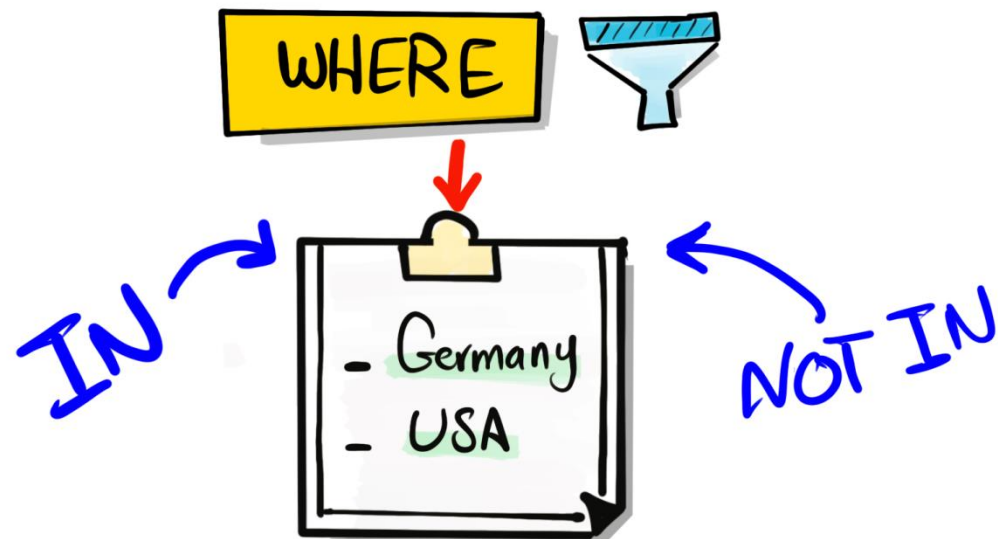


Name	Country	Score	
Maria	Germany	350	✓
John	USA	900	✗
Georg	UK	750	✗
Martin	Germany	500	✓
Peter	USA	0	✗



WHERE operators





Name	Country	Score	IN	NOT IN
Maria	Germany	350	✓	✗
John	USA	900	✓	✗
Georg	UK	750	✗	✓
Martin	Germany	500	✓	✗
Peter	USA	0	✓	✗

WHERE operators

