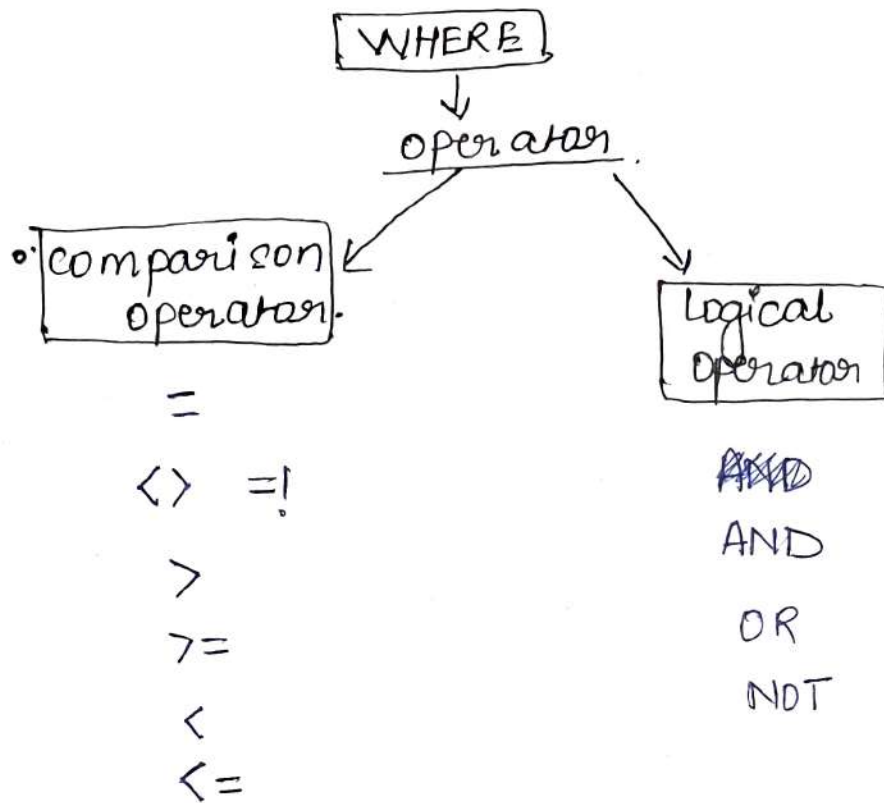


Intermediate level



• Range operator

BETWEEN

• Membership operator

IN

NOT IN

• SEARCH operator.

~~LIKE~~ LIKE

comparison operator.

↓
compare Two things.

Condition → Expression operator Expression.

column 1 = column 2 first_name = last_name

column 1 = value first_name = 'John'

function = value upper(first_name) = 'JOHN'

Expression = value price * quantity = 1000

Subquery = value (SELECT AVG(sales) = 1000
advanced FROM orders)

=

↓
check if two values are equal.

- Retrieve all customers from germany

```
SELECT *  
FROM customers  
WHERE country = 'Germany'
```

<> !=

↓
check if two values are not equal.

```
SELECT *  
FROM customers  
WHERE country != 'Germany'
```

>

↓
check if value is greater than another value.

Ex:- All customer score greater than 500

```
SELECT *  
FROM customers  
WHERE score > 500
```

>=

↓
value is greater than or equal to another value.

Ex:- customer with score 500 or more.

```
SELECT *  
FROM customers  
WHERE score >= 500
```

<

↓
check value is less than another value.

Ex:- customer with score less than 500

```
SELECT *  
FROM customers  
WHERE score < 500
```

\leq



check if value is less than or equal to another value.

Ex: Customer with score ≤ 500

```
SELECT *  
FROM customers.  
WHERE score  $\leq$  500
```

logical operators

• AND



WHERE

All conditions must be true.

Cond 1

AND

Cond 2

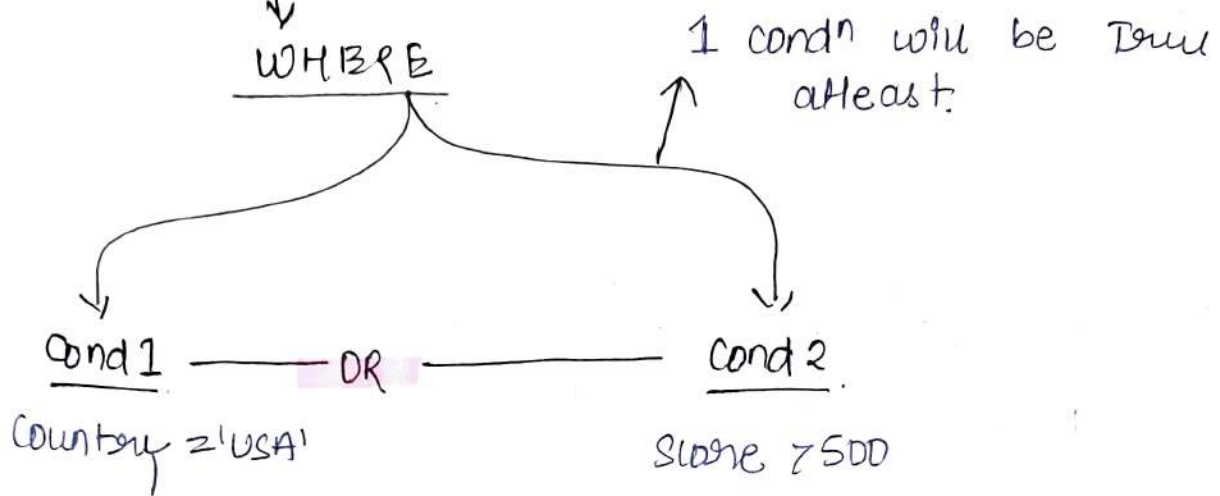
score \geq 500

country = 'USA'

Ex:- All custom with score \geq 500 and country = 'USA'

```
SELECT *  
FROM customers  
WHERE score  $\geq$  50 AND  
country = 'USA'
```


• OR At least one condition will be True



Ex: customers who are either from USA and Score > 500

```
SELECT *  
FROM customers  
WHERE Score > 500 OR Country =  
    'USA'
```

• NOT

↓ (reverse) Excludes Matching value.

Ex: All customer with Score NOT less than 500

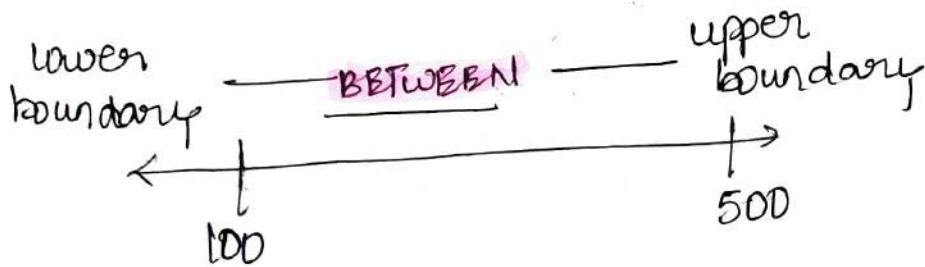
```
SELECT *  
FROM customers  
WHERE NOT Score < 500
```

Range operator.

BETWEEN (range)



WHERE



Ex:- All customer whose score falls
BETWEEN 100 and 500

```
SELECT *  
FROM customers  
WHERE score BETWEEN 100  
AND 500
```

OR

```
SELECT *  
FROM customers  
WHERE score >= 100 AND  
score <= 500
```

Membership operators

IN : check if a value exists or not.

Ex:- All customers from either USA or Germany.

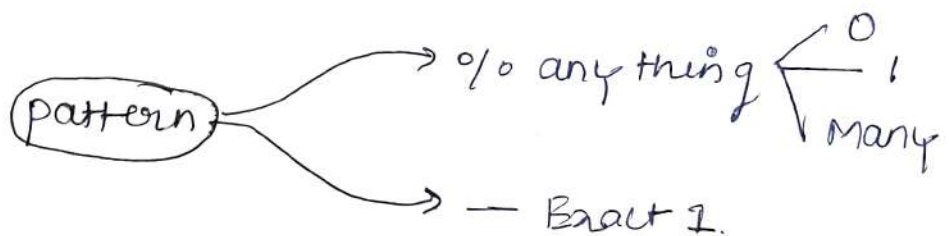
```
SELECT *  
FROM customers  
WHERE country IN ('Germany', 'USA')
```

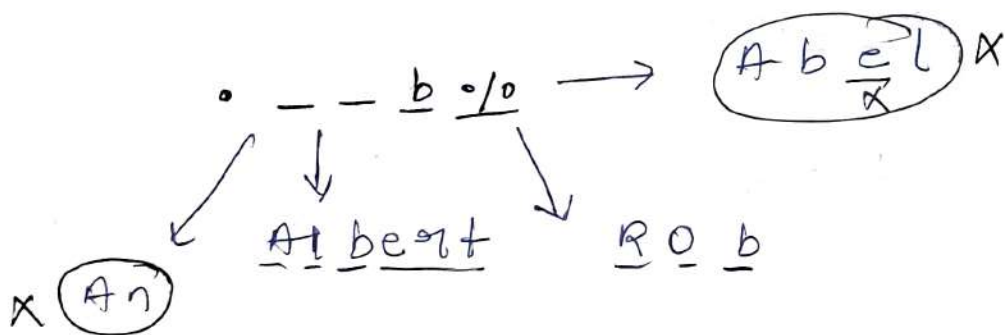
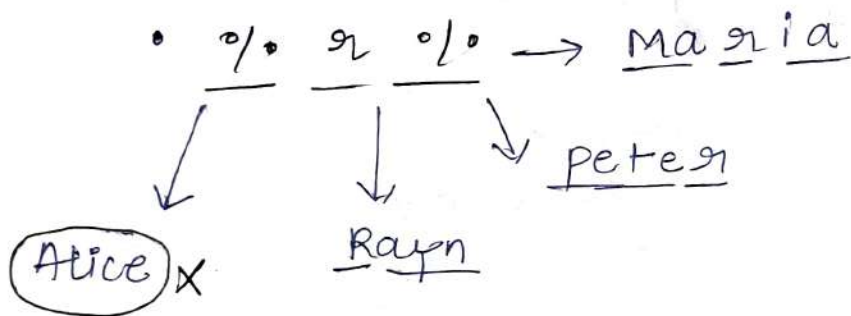
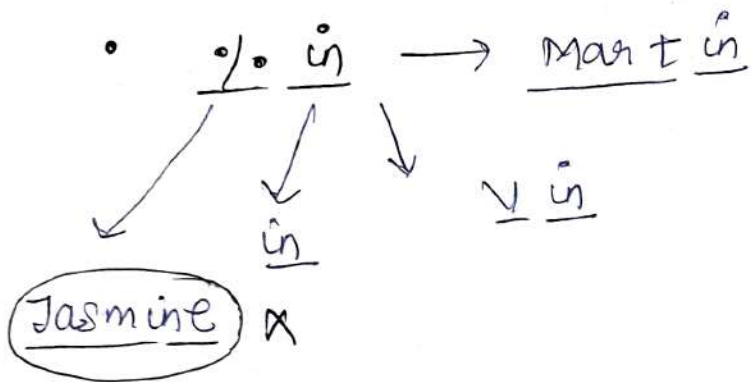
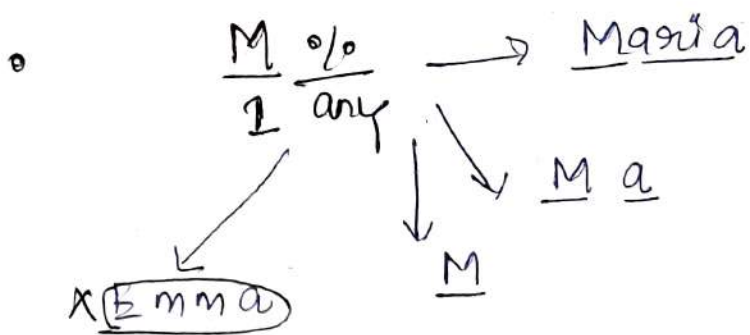
NOT IN : Reverse of IN

```
SELECT *  
FROM customers  
WHERE country NOT IN ('Germany')
```

Search operators

LIKE : Search for a pattern in Text.





Ex: All customers whose first name starts with 'M'

```
SELECT *  
FROM customers  
WHERE first_name LIKE 'M%'
```

Ex:- All customer whose first name end with 'n'

```
SELECT *  
FROM customers  
WHERE first_name LIKE '%n'
```

Ex:- All customers who first name contains 'n'

```
SELECT *  
FROM customers  
WHERE first_name LIKE '%n%'
```

Ex:- all customer whose first name has 'n' in third position.

```
SELECT *  
FROM customers  
WHERE first_name LIKE '__n%'
```