The SQL WHERE Clause

The WHERE clause is used to filter records.

WHERE Syntax
SELECT column1, column2, ...
FROM table_name
WHERE condition

Example :

show the EmpName and Salary From employee table if their salary larger than 400$

SELECT EmpName, Salary
FROM Employee
WHERE Salary > 400

Result:

EmpName	Salary
Sami	450$

Note : you can use a lot of operators in Where condition such as: > ,< ,= ,>= ,<=

References:www.w3schools.com

The SQL BETWEEN Operator

The BETWEEN operator selects values within a given range. The values can be numbers, text, or dates.

BETWEEN Syntax
SELECT column_name(s)
FROM table_name
WHERE column_name BETWEEN value1 AND value2;

Example :

show the EmpName and Salary From employee table if their salary between 300$ and 400$

SELECT EmpName, Salary
FROM Employee
WHERE Salary between 300 and 400

Result:

EmpName	Salary
Ahmed	400$
Mohammed	350$

The SQL LIKE Operator

The LIKE operator is used in a WHERE clause to search for a specified pattern in a column.

There are two wildcards used in conjunction with the LIKE operator:

- % - The percent sign represents zero, one, or multiple characters
- _ - The underscore represents a single character

LIKE Syntax
SELECT *column1, column2, ...*
FROM *table_name*
WHERE *columnN* LIKE *pattern;*

Example :

show the EmpName and Salary From employee table when EmpmName end by 'm'

SELECT *EmpName, Salary*
FROM *Employee*
WHERE *EmpName like '%d'*

Result:

EmpName	Salary
Ahmed	400$
Mohammed	350$

Database concept

LIKE Operator	Description
WHERE Name LIKE 'a%'	Finds any values that start with "a"
WHERE Name LIKE '%a'	Finds any values that end with "a"
WHERE Name LIKE '%or%'	Finds any values that have "or" in any position
WHERE Name LIKE '_r%'	Finds any values that have "r" in the second position
WHERE Name LIKE '%r_'	Finds any values that have "r" before end position
WHERE Name LIKE 'a%o'	Finds any values that start with "a" and ends with "o"
WHERE Name LIKE '[a-d]%'	Finds any values that start with any letters between a and d
WHERE Name LIKE '[ad]%'	Finds any values that start with "a" or "d"
WHERE Name LIKE '[^ad]%'	Finds any values that **not** start with "a" or "d"