SQL STATEMENT

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1. The UPDATE statement is used to modify the existing records in a table
2. It is the Where clause that determines how many records will be updated

My SQL DELETE Statement

The DELETE statement is used to delete existing records in a table.

My SQL Limit Clause

1. The LIMIT clause is used to specify the number of record to return.
2. The LIMIT clause is useful on large tables with thousands of records. Returning a large number of records can impact performance.

My SQL MIN() and MAX() Functions

1. The MIN() functions returns the smallest value of the selected column.
2. The MAX() functions returns the largest value of the selected column

MY SQL Count(), AVG(), SUM() Functions

1. The COUNT() function returns the number of rows that matches a specified criterion
2. The SUM() functions returns the total sum of a numeric column
3. The AVG() function returns the average value of numeric column

MYSQL LIKE Operator

1. The LIKE operator is used in a WHERE clause to search for a specified pattern in a column
2. There are two wildcards often used in conjunction with the LIKE operator

* The percent sign(%) represents zero,one, or multiple characters.
* The underscore sign(\_) represents one, single character.

The percent sign and the underscore can also be used in combinations!

MY SQL Wild Cards Characters

1. A wildcard character is used to substitute one or more characters in a string.

2 Wildcard characters are used with the LIKE operator. The LIKE operator is used in a WHERE clause to search for a specified pattern in a column

3 The wildcards can also be used in combinations showing different LIKE operators with ‘%’ and ‘\_’ wildcard

|  |  |
| --- | --- |
| **LIKE Operator** | **Description** |
| WHERE CustomerName LIKE 'a%' | Finds any values that starts with "a" |
| WHERE CustomerName LIKE '%a' | Finds any values that ends with "a" |
| WHERE CustomerName LIKE '%or%' | Finds any values that have "or" in any position |
| WHERE CustomerName LIKE '\_r%' | Finds any values that have "r" in the second position |
| WHERE CustomerName LIKE 'a\_%\_%' | Finds any values that starts with "a" and are at least 3 characters in length |
| WHERE ContactName LIKE 'a%o' | Finds any values that starts with "a" and ends with "o" |

* In SQL statement select all the selected database name where column name starting with “bar”.

MYSQL IN Operator:

1. The IN operator allows you to specify multiple values in a WHERE clause.
2. The IN operator is a shorthand for multiple OR conditions

MYSQL Between Operator

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

2 The BETWEEN operator inclusive: begin and end values are included

MYSQL Aliases

1. Aliases are used to give a table or a column in a table, a temporary name.
2. Aliases are often used to make column names more readable.
3. Aliases only exists for the duration of that query.
4. An alias is created with the AS keyword

MYSQL JOINS

1. A JOIN clause is used to combine rows from two or more tables, based on a related column between them.

## Supported Types of Joins in MySQL

* INNER JOIN: Returns records that have matching values in both tables
* LEFT JOIN: Returns all records from the left table, and the matched records from the right table
* RIGHT JOIN: Returns all records from the right table, and the matched records from the left table
* CROSS JOIN: Returns all records from both tables

      