



MariaDB: AND Condition

This MariaDB tutorial explains how to use the MariaDB **AND condition** with syntax and examples.

Description

The MariaDB AND condition (also called the AND Operator) is used to test two or more conditions in a SELECT, INSERT, UPDATE, or DELETE statement.

Syntax

The syntax for the AND condition in MariaDB is:

```
WHERE condition1
AND condition2
...
AND condition_n;
```

Parameters or Arguments

condition1, condition2, ... condition_n

All of the conditions that must be met for the records to be selected.

Note

- The MariaDB AND condition allows you to test 2 or more conditions.
- The MariaDB AND condition requires that all of the conditions (ie: *condition1*, *condition2*, *condition_n*) be must be met for the record to be included in the result set.

Example - With SELECT Statement

Let's look at how to use the AND condition within a SELECT statement in MariaDB.

For example:

```
SELECT *
FROM sites
WHERE site_name = 'TechOnTheNet.com';
AND site_id <= 500;
```

This MariaDB AND example would return all sites that have a *site_name* of 'TechOnTheNet.com' and a *site_id* that is less than or equal to 500. Because the * is used in the SELECT statement, all fields from the *sites* table would appear in the result set.

Example - JOINING Tables

Let's look at how to use the AND condition in MariaDB to join multiple tables in a SELECT statement.

For example:

```
SELECT pages.page_id, sites.site_name
FROM sites, pages
WHERE sites.site_id = pages.site_id
AND sites.site_name = 'TechOnTheNet.com'
ORDER BY pages.page_id;
```

This MariaDB AND condition example would return all rows where the *site_name* is 'TechOnTheNet.com'. And the *sites* and *pages* tables are joined on *site_id*. You will notice that all of the fields are prefixed with the table names (ie: pages.page_id). This is required to eliminate any ambiguity as to which field is being referenced; as the same field name can exist in both the *sites* and the *pages* tables.

Though the above SQL works just fine, you would more traditionally write this SQL as follows using a proper INNER JOIN.

For example:

```
SELECT pages.page_id, sites.site_name
FROM sites
INNER JOIN pages
ON sites.site_id = pages.site_id
WHERE sites.site_name = 'TechOnTheNet.com'
ORDER BY pages.page_id;
```

Example - With INSERT Statement

Let's look at how to use the AND condition in the INSERT statement in MariaDB.

For example:

```
INSERT INTO contacts
(contact_id, contact_name)
SELECT site_id, site_name
FROM sites
WHERE site_name = 'TechOnTheNet.com'
AND site_id > 43;
```

This MariaDB AND condition example would insert into the *contacts* table, all *site_id* and *site_name* records from the *sites* table where the *site_name* is 'TechOnTheNet.com' and the *site_id* is greater than 43.

Example - With UPDATE Statement

Let's look at how to use the AND condition in the UPDATE statement in MariaDB.

For example:

```
UPDATE sites
SET site_name = 'TechOnTheNet.com'
WHERE site_name = 'CheckYourMath.com'
AND site_id <= 10;
```

This MariaDB AND condition example would update all *site_name* values in the *sites* table to 'TechOnTheNet.com' where the *site_name* is 'CheckYourMath.com' and the *site_id* is less than or equal to 10.

Example - With DELETE Statement

Finally, let's look at how to use the AND condition in the DELETE statement in MariaDB.

For example:

```
DELETE FROM sites
WHERE site_name = 'TechOnTheNet.com'
AND site_id = 65;
```

This MariaDB AND condition example would delete all records from the *sites* table where the *site_name* is 'TechOnTheNet.com' and the *site_id* is equal to 65

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