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Related Topics

- SQL INSERT INTO SELECT Statement
- SQL UPDATE Statement
- SQL NOT NULL Constraint
- SQL SELECT INTO Statement
- SQL UNIQUE Constraint
- SQL FOREIGN KEY

SQL INSERT INTO Statement

In this tutorial, we'll learn to insert a row in the table with the help of examples.

In SQL, the `INSERT INTO` statement is used to insert new row(s) in a database table. For example,

```
INSERT INTO Customers(customer_id, first_name, last_name, age, country)
VALUES
(5, 'Harry', 'Potter', 31, 'USA');
```

Run Code >>

Here, the SQL command inserts a new row in the `Customers` table with the given values.

Table: Customers

customer_id	first_name	last_name	age	country
1	John	Doe	31	USA
2	Robert	Luna	22	USA
3	David	Robinson	22	UK
4	John	Reinhardt	25	UK

INSERT INTO Customers(customer_id, first_name, last_name, age, country) VALUES (5, 'Harry', 'Potter', 31, 'USA');

customer_id	first_name	last_name	age	country
1	John	Doe	31	USA
2	Robert	Luna	22	USA
3	David	Robinson	22	UK
4	John	Reinhardt	25	UK
5	Harry	Potter	31	USA

Example: SQL Insert Into

Note: If we need to insert data from any other existing table , we can use the [SQL INSERT INTO SELECT](#) statement.

Insert Row Providing Value Explicitly

It's possible to provide default values to a column (for example, auto incrementing a column). In a database table, the **ID** field is usually unique auto incremented.

In such cases, we can omit the value for that column during row insertion. For example,

```
INSERT INTO Customers(first_name, last_name, age, country)
VALUES
('James', 'Bond', 48, 'USA');
```

Run Code >>

Here, the SQL command automatically sets the new `customer_id` for the new row and inserts it in a table.

Table: Customers

customer_id	first_name	last_name	age	country
1	John	Doe	31	USA
2	Robert	Luna	22	USA
3	David	Robinson	22	UK
4	John	Reinhardt	25	UK

INSERT INTO Customers(first_name, last_name, age, country) VALUES ('James', 'Bond', 48, 'USA');

customer_id	first_name	last_name	age	country
1	John	Doe	31	USA
2	Robert	Luna	22	USA
3	David	Robinson	22	UK
4	John	Reinhardt	25	UK
5	James	Bond	48	USA

Example: SQL INSERT INTO

Insert Multiple Rows at Once in SQL

It's also possible to insert multiple rows to a database table at once. For example,

```
INSERT INTO Customers(first_name, last_name, age, country)
VALUES
('Harry', 'Potter', 31, 'USA'),
('Chris', 'Hensworth', 43, 'USA'),
('Tom', 'Holland', 26, 'UK');
```

Run Code >>

Here, the SQL command inserts three rows to the `Customers` table.

SQL INSERT Topics

Insert rows Without Specifying Column Names.

Not Including All Columns During Insertion.

Previous Tutorial:
[SQL Backup Database](#)

Next Tutorial:
[SQL Update](#)

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