SQL UNIQUE Constraint

SQL UNIQUE Constraint

The UNIQUE constraint ensures that all values in a column are different.

Both the UNIQUE and PRIMARY KEY constraints provide a guarantee for uniqueness for a column or set of columns.

A PRIMARY KEY constraint automatically has a UNIQUE constraint.

However, you can have many UNIQUE constraints per table, but only one PRIMARY KEY constraint per table.

SQL UNIQUE Constraint on CREATE TABLE

The following SQL creates a UNIQUE constraint on the "ID" column when the "Persons" table is created:

SQL Server / Oracle / MS Access:

```
CREATE TABLE Persons (
    ID int NOT NULL UNIQUE,
    LastName varchar(255) NOT NULL,
    FirstName varchar(255),
    Age int
);
```

MySQL:

```
CREATE TABLE Persons (
    ID int NOT NULL,
    LastName varchar(255) NOT NULL,
    FirstName varchar(255),
    Age int,
    UNIQUE (ID)
);
```

To name a UNIQUE constraint, and to define a UNIQUE constraint on multiple columns, use the following SQL syntax:

MySQL / SQL Server / Oracle / MS Access:

```
CREATE TABLE Persons (
    ID int NOT NULL,
    LastName varchar(255) NOT NULL,
    FirstName varchar(255),
    Age int,
    CONSTRAINT UC_Person UNIQUE (ID,LastName)
);
```

SQL UNIQUE Constraint on ALTER TABLE

To create a UNIQUE constraint on the "ID" column when the table is already created, use the following SQL:

MySQL / SQL Server / Oracle / MS Access:

```
ALTER TABLE Persons
ADD UNIQUE (ID);
```

To name a UNIQUE constraint, and to define a UNIQUE constraint on multiple columns, use the following SQL syntax:

MySQL / SQL Server / Oracle / MS Access:

```
ALTER TABLE Persons
ADD CONSTRAINT UC_Person UNIQUE (ID,LastName);
```

DROP a UNIQUE Constraint

To drop a UNIQUE constraint, use the following SQL:

MySQL:

```
ALTER TABLE Persons
DROP INDEX UC_Person;
```

SQL Server / Oracle / MS Access:

```
ALTER TABLE Persons
DROP CONSTRAINT UC_Person;
```

❮ Previous

Next ❯

COLOR PICKER

HOW TO

SHARE

CERTIFICATES

HTML, CSS, JavaScript, PHP, jQuery, Bootstrap and XML.

Read More »

Top 10 Tutorials

HTML Tutorial
CSS Tutorial
JavaScript Tutorial
W3.CSS Tutorial
Bootstrap Tutorial
SQL Tutorial
PHP Tutorial
jQuery Tutorial

Top 10 References

HTML Reference
CSS Reference
JavaScript Reference
W3.CSS Reference
Bootstrap Reference
SQL Reference
PHP Reference
HTML Colors

Angular Tutorial

How To Tutorial

jQuery Reference

AngularJS Reference

Top 10 Examples

Web Certificates

HTML Examples

CSS Examples

JavaScript Examples

W3.CSS Examples

Bootstrap Examples

HTML DOM Examples

PHP Examples

jQuery Examples

Angular Examples

XML Examples

HTML Certificate

CSS Certificate

JavaScript Certificate

jQuery Certificate

PHP Certificate

Bootstrap Certificate

XML Certificate

w3schools.com