MySQL Rename View

Because views and tables share the same namespace, you can use the [RENAME TABLE](https://www.mysqltutorial.org/mysql-rename-table/) statement to change the name of a view.

Here is the basic syntax of the RENAME TABLE for renaming a view:

**RENAME** **TABLE** original\_view\_name

**TO** new\_view\_name;

Code language: SQL (Structured Query Language) (sql)

In this syntax:

* First, specify the name of the view that you want to rename after the RENAME TABLE keywords.
* Then, specify the new name of the view after the TO keyword.

Note that you cannot use the RENAME TABLE statement to move a view from one database to another. Attempting to do so will result in an error.

Another indirect way to rename a view is to use a sequence of the [DROP VIEW](https://www.mysqltutorial.org/mysql-views/mysql-drop-view/) and [CREATE VIEW](https://www.mysqltutorial.org/create-sql-views-mysql.aspx) statement.

* First, use the SHOW CREATE VIEW statement to copy the DDL of the view.
* Second, use the [DROP VIEW](https://www.mysqltutorial.org/mysql-views/mysql-drop-view/) statement to drop the view.
* Finally, create a view the new name to which you want to rename with the DDL you copied from step 1.

By using a sequence of DROP and CREATE VIEW statements, you can move a view from one database to another.

MySQL Rename view examples

Let’s take some examples of renaming views.

1) Renaming a view using the RENAME TABLE statement example

First, create a new view called productLineSales for the demonstration:

**CREATE** **VIEW** productLineSales **AS**

**SELECT**

productLine,

**SUM**(quantityOrdered) totalQtyOrdered

**FROM**

productLines

**INNER** **JOIN**

products **USING** (productLine)

**INNER** **JOIN**

orderdetails **USING** (productCode)

**GROUP** **BY** productLine;

Code language: SQL (Structured Query Language) (sql)

Second, rename the view productLineSales to productLineQtySales:

**RENAME** **TABLE** productLineSales

**TO** productLineQtySales;

Code language: SQL (Structured Query Language) (sql)

Third, use the SHOW FULL TABLES to check if the view has been renamed successfully:

**SHOW** **FULL** **TABLES** **WHERE** table\_type = 'VIEW';

Code language: SQL (Structured Query Language) (sql)

2) Renaming a view using the DROP VIEW and CREATE VIEW sequence example

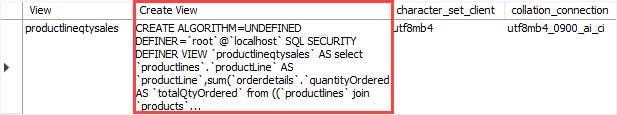
Suppose you want to change the name of the view productLineQtySales to categorySales.

First, use the SHOW CREATE VIEW to get the DDL of the view:

**SHOW** **CREATE** **VIEW** productLineQtySales;

Code language: SQL (Structured Query Language) (sql)

Here is the output:



You copy the DDL showed in the CreateView column.

Second, drop the view productLineQtySales:

**DROP** **VIEW** productLineQtySales;

Code language: SQL (Structured Query Language) (sql)

Third, change the name of the view in DDL and execute it:

**CREATE** **VIEW** categorySales **AS**

**SELECT**

productLine,

**SUM**(quantityOrdered) totalQtyOrdered

**FROM**

productLines

**INNER** **JOIN**

products **USING** (productLine)

**INNER** **JOIN**

orderDetails **USING** (productCode)

**GROUP** **BY** productLine;