

## Session 25 Assignment

Use the Sakila schema, which can be found in following link (to be installed in your local system)

<http://dev.mysql.com/doc/index-other.html>("sakila database")

<http://dev.mysql.com/doc/sakila/en/sakila.html>(for full documentation)

### **Requirements**

For each question, you are required to provide the following:

- The SQL query you used
- The answers
- Any assumptions you made

### **Problem Statement**

Set up/Install the database sakila.

The database will be used for next MySQL Assignments as well.

Refer the Links given above for help in setting up the database.

The screenshot shows a web browser window with the URL <https://dev.mysql.com/doc/index-other.html>. The page is titled "Other MySQL Documentation" and provides additional documentation links. It includes a search bar, a sidebar with "Archives" and "About", and a "Download Help" section. The main content area lists "MySQL Server Doxygen Documentation" and "Expert Guides".

**MySQL Server Doxygen Documentation**

Title	HTML Online
MySQL Server (latest version)	<a href="#">View</a>

**Expert Guides**

Language	Title	HTML Online	PDF
English	MySQL Internals	<a href="#">View</a>	
English	MySQL Development Cycle	<a href="#">View</a>	<a href="#">US Ltr   A4</a>

**Example Databases**

MySQL Server MySQL Enterprise Workbench InnoDB Cluster MySQL NDB Cluster Connectors More Downloads Developer Zone

### Example Databases

Title	Download DB	HTML Setup Guide	PDF Setup Guide
employee data (large dataset, includes data and test/verification suite)	<a href="#">GitHub</a>	<a href="#">View</a>	<a href="#">US Ltr   A4</a>
world database	<a href="#">Gzip   Zip</a>	<a href="#">View</a>	<a href="#">US Ltr</a>
world_x database	<a href="#">TGZ   Zip</a>		
sakila database	<a href="#">TGZ   Zip</a>	<a href="#">View</a>	<a href="#">US Ltr   A4</a>
menagerie database	<a href="#">TGZ   Zip</a>		

[Download sakila database](#)

### MySQL Help Tables

Title	Version	Download
MySQL Help Tables	8.0	<a href="#">Gzip   Zip</a>
MySQL Help Tables	5.7	<a href="#">Gzip   Zip</a>
MySQL Help Tables	5.6	<a href="#">Gzip   Zip</a>
MySQL Help Tables	5.5	<a href="#">Gzip   Zip</a>

**To use:** Download, unzip, then load into MySQL with this command:

```
mysql mysql < file_name
```

If the server is a replication master and you want to avoid replicating the content to replication slaves, use this command:

```
mysql --init-command="SET sql_log_bin=0" mysql < file_name
```

As of MySQL 5.7.5, the SET statement is included in the file, so the --init-command option is not needed.

### Additional Documentation

downloads.mysql.com/docs/sakila-db.zip

## Sakila Sample Database

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This document describes the Sakila sample database—its history, installation, structure and usage.

For legal information, see the [Legal Notices](#).

For help with using MySQL, please visit either the [MySQL Forums](#) or [MySQL Mailing Lists](#), where you can discuss your issues with other MySQL users.

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PDF (US Ltr) - 177.8Kb  
PDF (A4) - 178.8Kb

## Installation

The Sakila sample database is available from <http://dev.mysql.com/doc/index-other.html>. A downloadable archive is available in compressed tar file or Zip format. The archive contains three files: sakila-schema.sql, sakila-data.sql, and sakila.mwb.

The sakila-schema.sql file contains all the CREATE statements required to create the structure of the Sakila database including tables, views, stored procedures, and triggers.

The sakila-data.sql file contains the INSERT statements required to populate the structure created by the sakila-schema.sql file, along with definitions for triggers that must be created after the initial data load.

The sakila.mwb file is a MySQL Workbench data model that you can open within MySQL Workbench to examine the database structure..

### **To install the Sakila sample database, follow these steps:**

1) Extract the installation archive to a temporary location such as C:\temp\ or /tmp/. When you unpack the archive, it creates a directory named sakila-db that contains the sakila-schema.sql and sakila-data.sql files.

2) Connect to the MySQL server using the mysql command-line client with the following command:

```
shell> mysql -u root -p
```

3) Enter your password when prompted. A non-root account can be used as long as the account has privileges to create new databases.

4)Execute the sakila-schema.sql script to create the database structure by using the following command:

```
mysql> SOURCE C:/temp/sakila-db/sakila-schema.sql;
```

5)Replace C:/temp/sakila-db with the path to the sakila-schema.sql file on your system.

Note

On Windows, use slashes, rather than backslashes, when executing the SOURCE command.

Execute the sakila-data.sql script to populate the database structure with the following command:

```
mysql> SOURCE C:/temp/sakila-db/sakila-data.sql;
```

6)Replace C:/temp/sakila-db with the path to the sakila-data.sql file on your system.

Confirm that the sample database is installed correctly. Execute the following statements. You should see output similar to that shown here.

```
USE sakila;
```

```
Database changed
```

```
SHOW TABLES;
```

```
MySQL 8.0 Command Line Client
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.12 MySQL Community Server - GPL

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;
+-----+
| Database |
+-----+
| acadgild |
| employee_db |
| employee_id |
| information_schema |
| moon |
| mysql |
| performance_schema |
| sakila |
| sampledb |
| sys |
| test |
| world |
+-----+
12 rows in set (2.70 sec)

mysql>
```

```
MySQL 8.0 Command Line Client
moon
mysql
performance_schema
sakila
sampledb
sys
test
world
+-----+
12 rows in set (2.70 sec)

mysql> USE sakila;
Database changed
mysql> SHOW TABLES;
+-----+
| Tables_in_sakila |
+-----+
| actor |
| actor_info |
| address |
| category |
| city |
| country |
| customer |
| customer_list |
| film |
| film_actor |
| film_category |
| film_list |
| film_text |
| inventory |
| language |
| nicer_but_slower_film_list |
| payment |
| rental |
| sales_by_film_category |
| sales_by_store |
| staff |
| staff_list |
| store |
+-----+
23 rows in set (2.62 sec)

mysql>
```

```
Select MySQL 8.0 Command Line Client

+-----+
| actor  
actor_info  
address  
category  
city  
country  
customer  
customer_list  
film  
film_actor  
film_category  
film_list  
film_text  
inventory  
language  
nicer_but_slower_film_list  
payment  
rental  
sales_by_film_category  
sales_by_store  
staff  
staff_list  
store  
+-----+
23 rows in set (2.62 sec)

mysql> SELECT COUNT(*) FROM film;
+-----+
| COUNT(*) |
+-----+
|      1000 |
+-----+
1 row in set (7.93 sec)

mysql> SELECT COUNT(*) FROM film_text;
+-----+
| COUNT(*) |
+-----+
|      1000 |
+-----+
1 row in set (0.20 sec)

mysql>
```