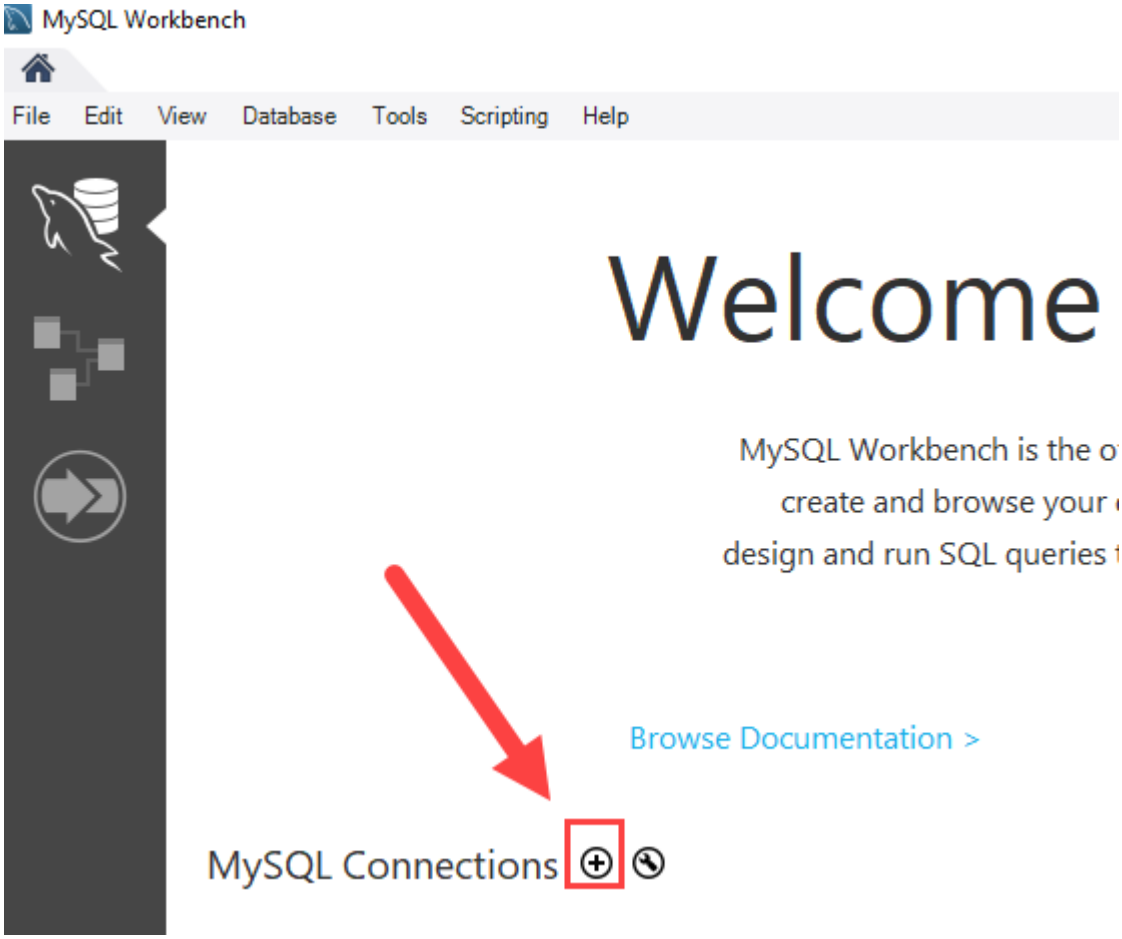
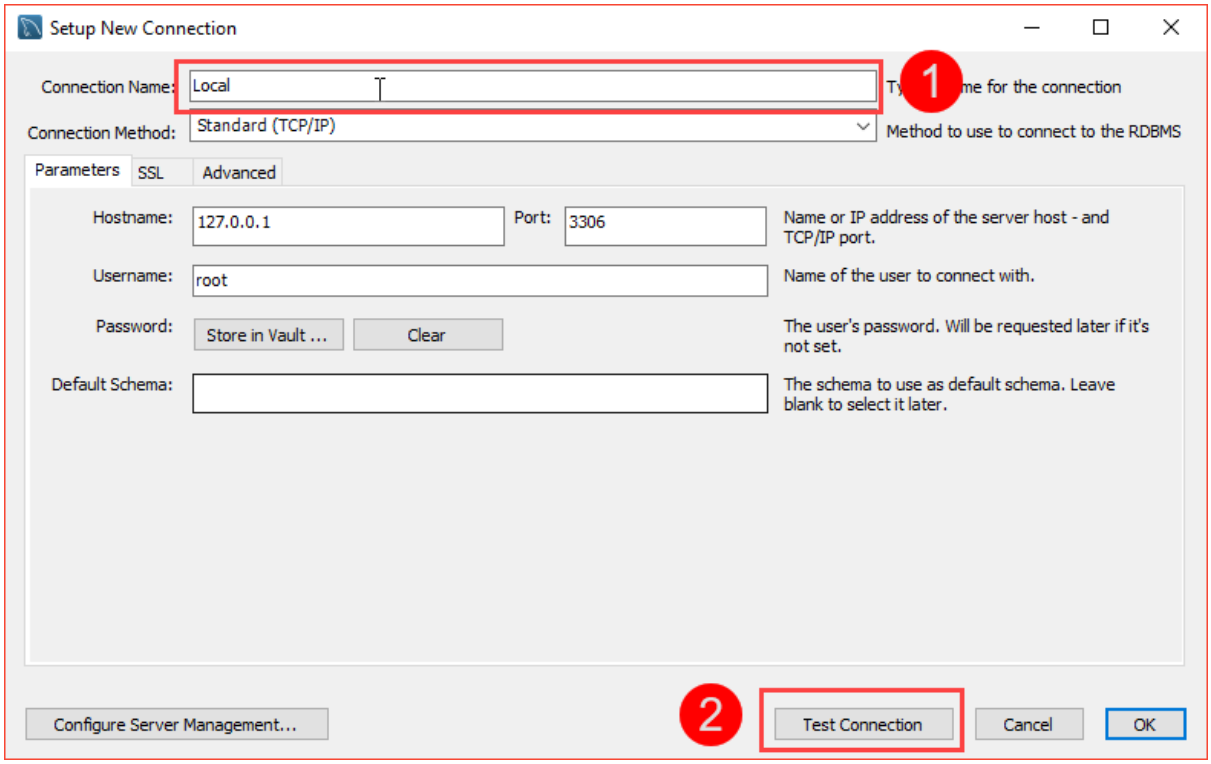
Introduction to the MySQL Workbench

To create a new database using the MySQL Workbench, you follow these steps:

First, launch the MySQL Workbench and click the **setup new connection** button as shown in the following screenshot:



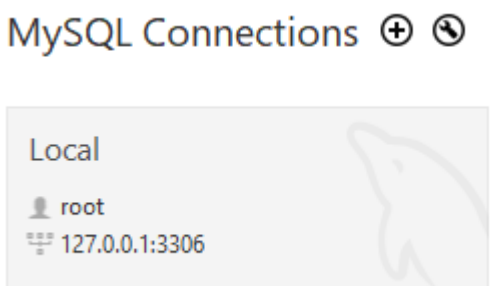
Second, type the name for the connection and click the **Test Connection** button.



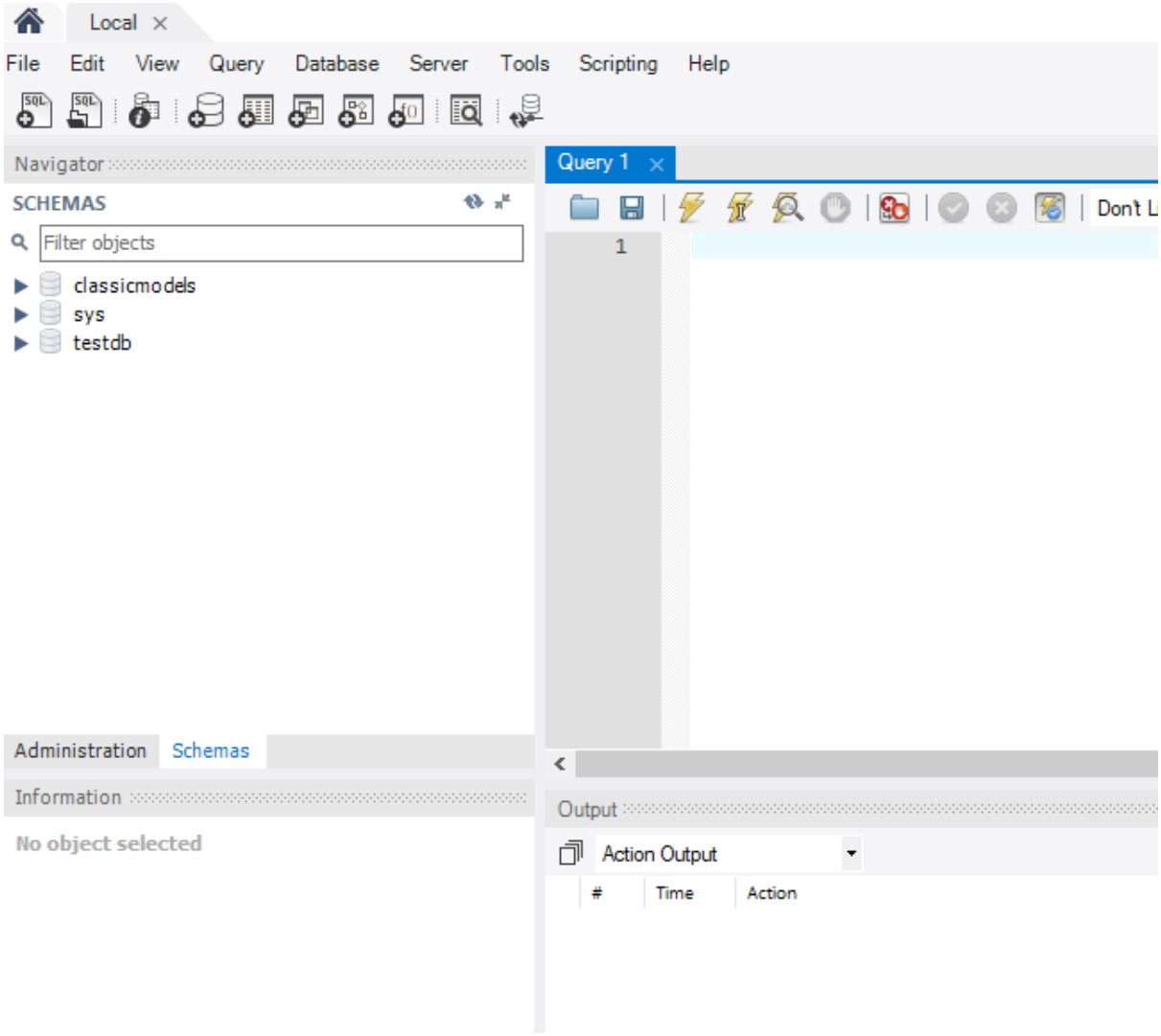
MySQL Workbench displays a dialog asking for the password of the root user:

You need to (1) type the password for the root user, (2) check the **Save password in vault**, and (3) click **OK** button.

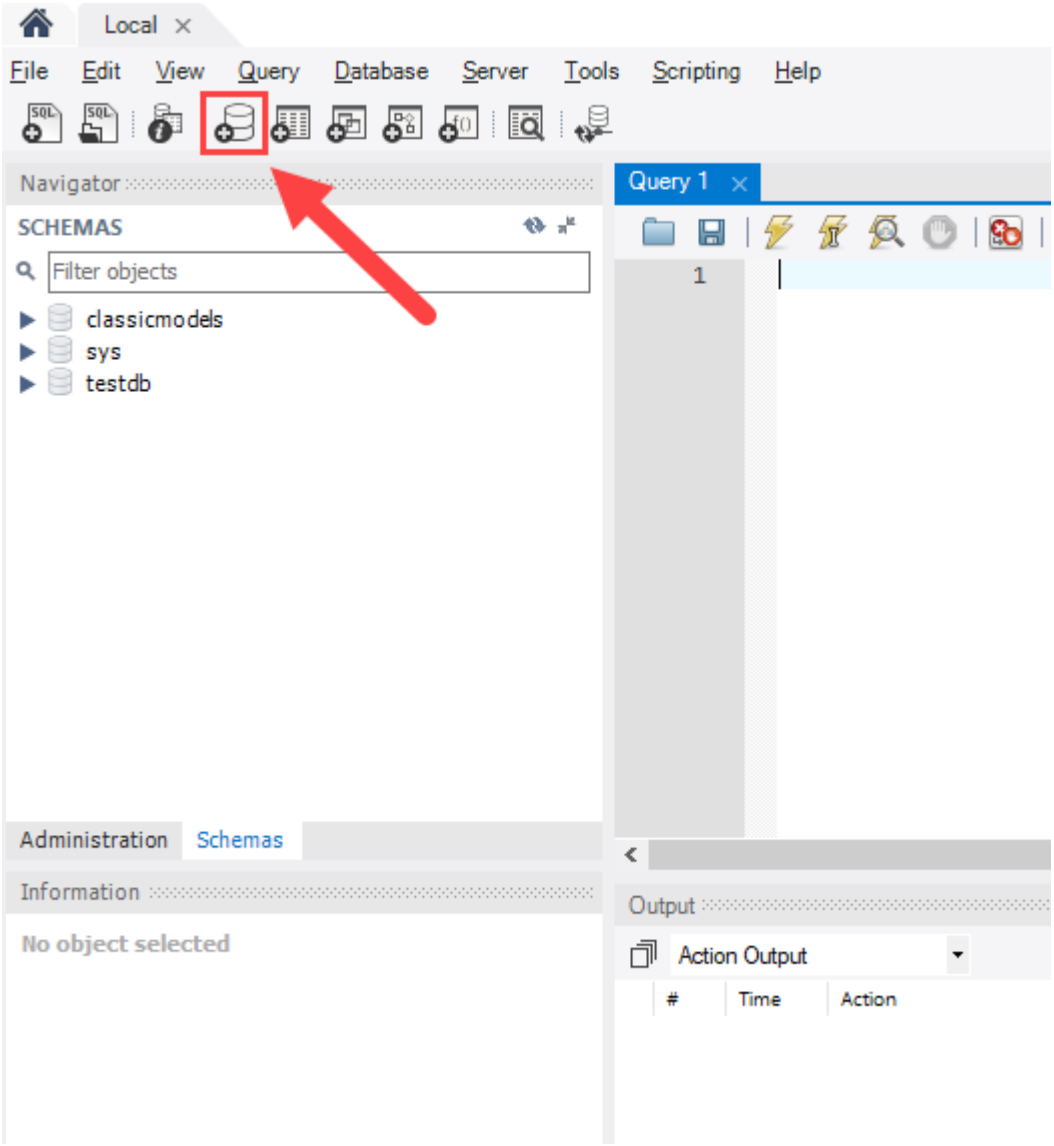
Third, double-click the connection name **Local** to connect to the MySQL Server.



MySQL Workbench opens the following window which consists of four parts: Navigator, Query, Information, and Output.

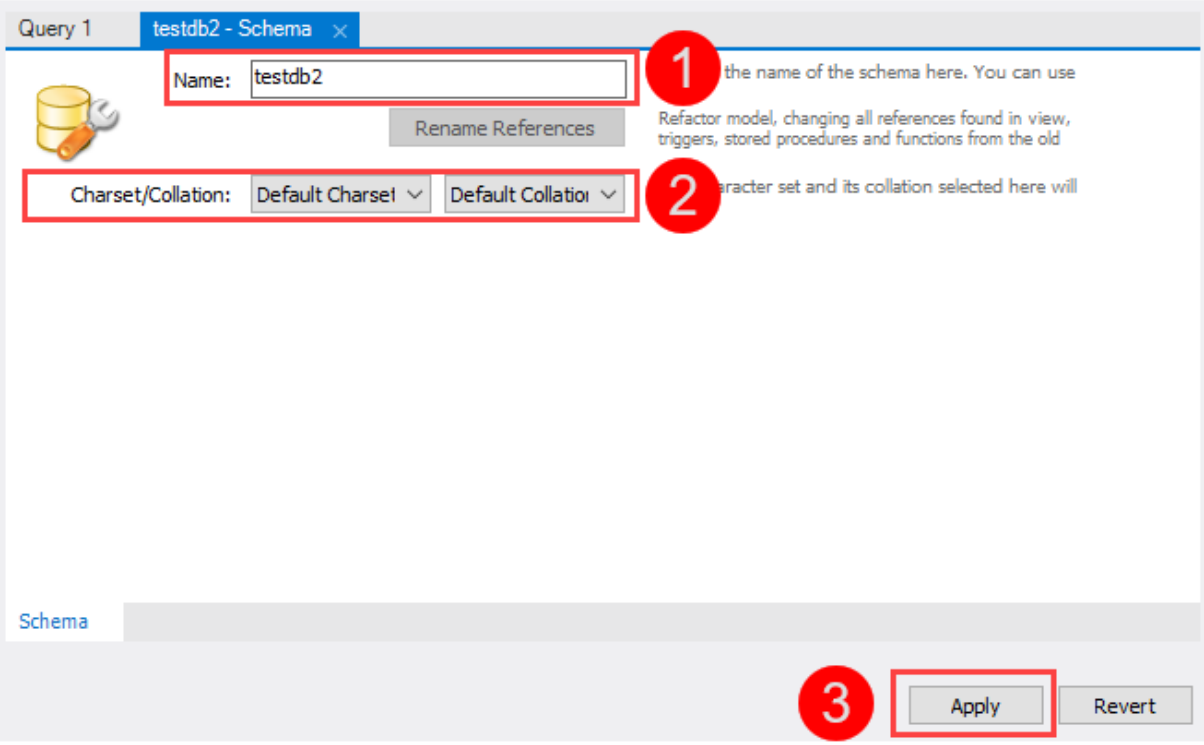


Fourth, click the **create a new schema in the connected server** button from the toolbar:

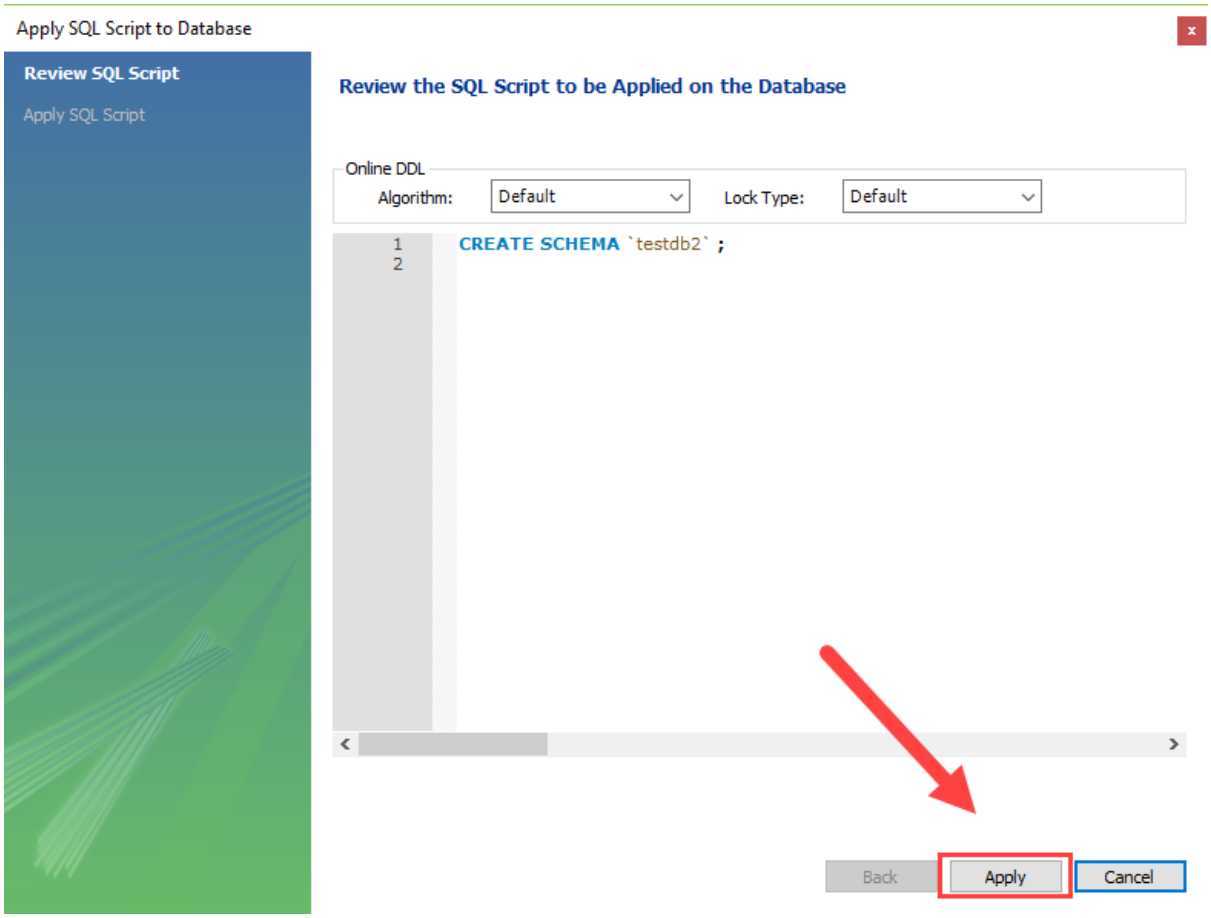


In MySQL, the schema is the synonym for the database. Creating a new schema also means creating a new database.

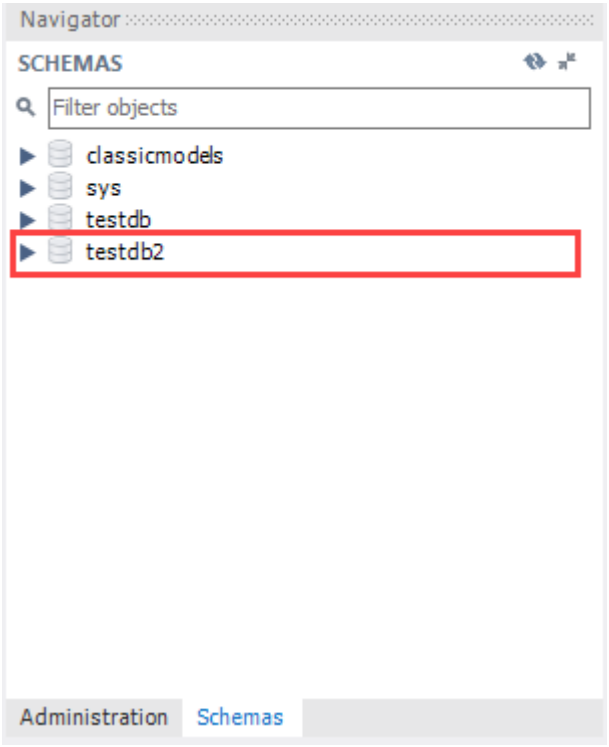
Fifth, the following window is open. You need to (1) enter the schema name, (2) change the character set and collation if necessary, and click the **Apply** button:



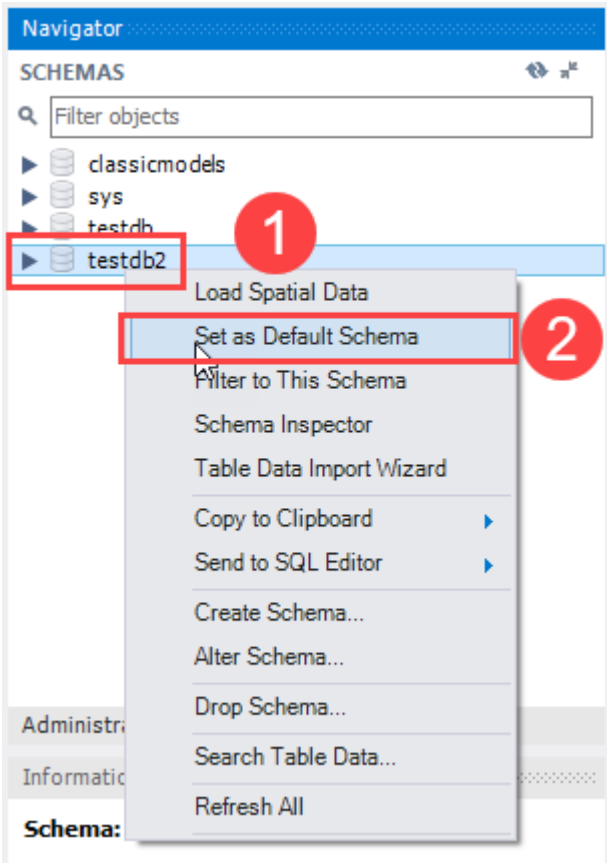
Sixth, MySQL Workbench opens the following window that displays the SQL script that will be executed. Note that the CREATE SCHEMA statement command has the same effect as the CREATE DATABASE statement.



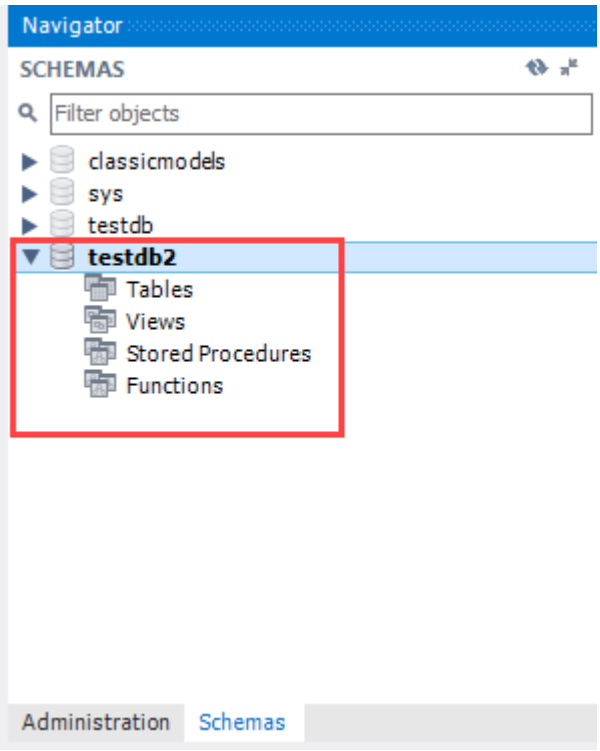
If everything is fine, you will see the new database created and shown in the **schemas** tab of the **Navigator** section.



Seventh, to select the testdb2 database, (1) right-click the database name and (2) choose **Set as Default Schema** menu item:



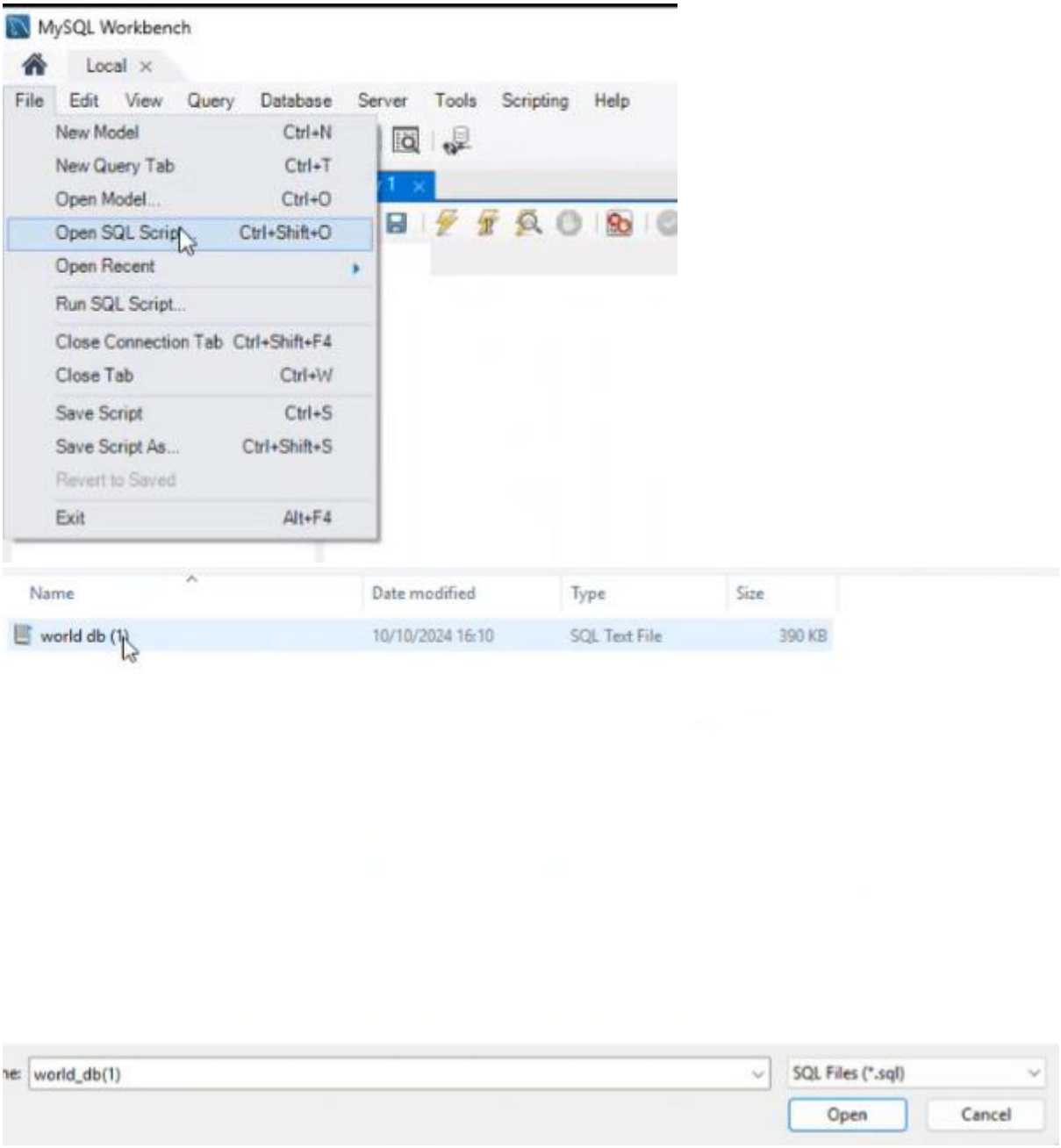
The testdb2 node is open as shown in the following screenshot.



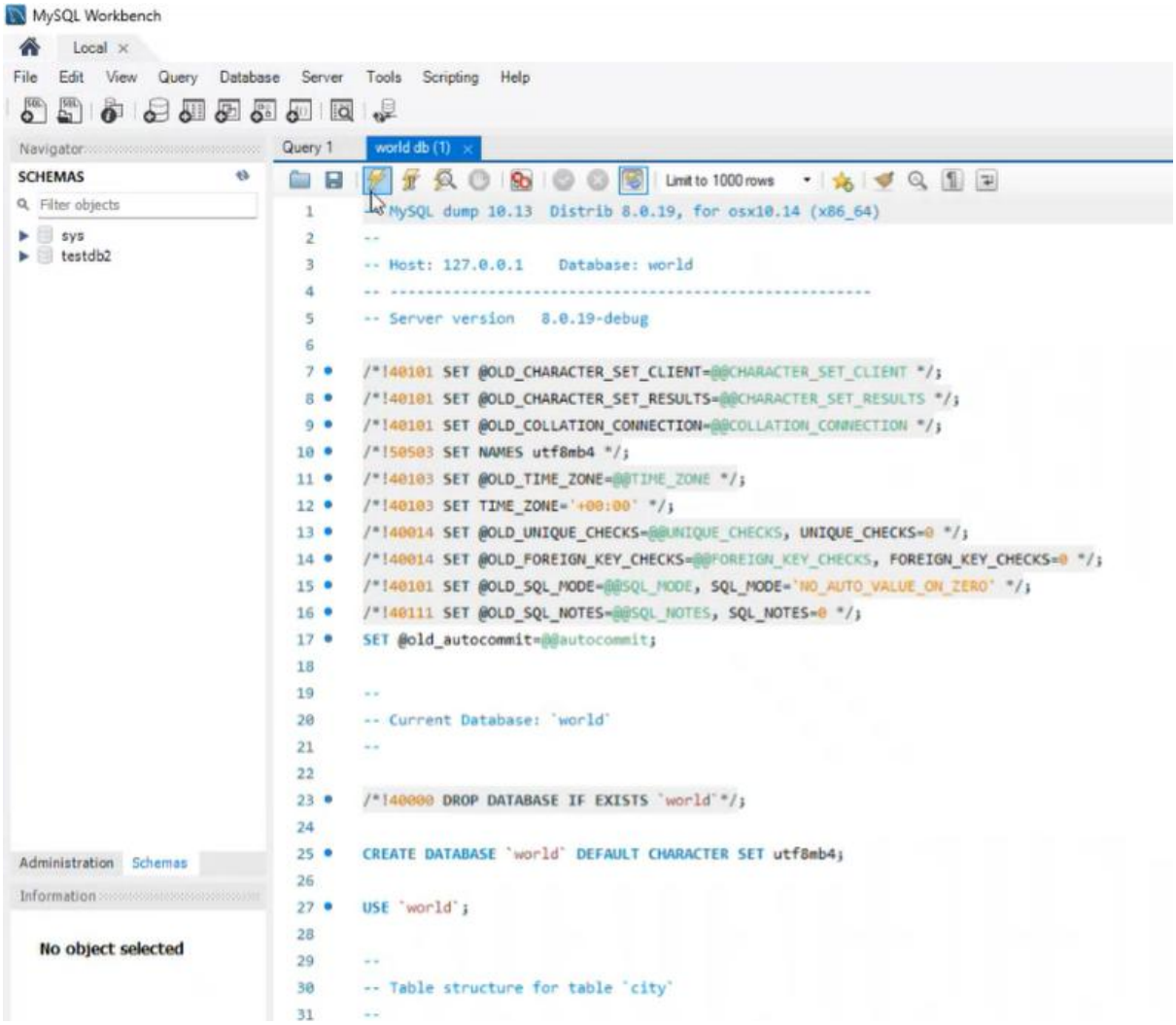
Now, you can work with testdb2 from the MySQL Workbench. **Now we have set up the basics and become familiar with Workbench, let's work with some data.**

1. **Open your local instance that we have just created**

2. **File > Open SQL script > open our 'world_db(1)' file.**

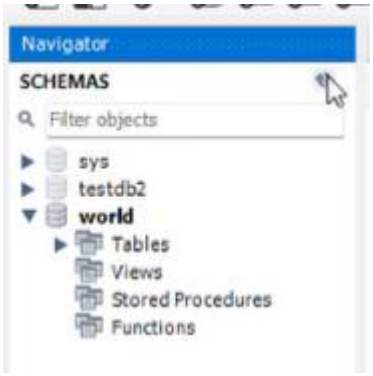


3. **Once the syntax can be seen, click the 'lightening bolt'**



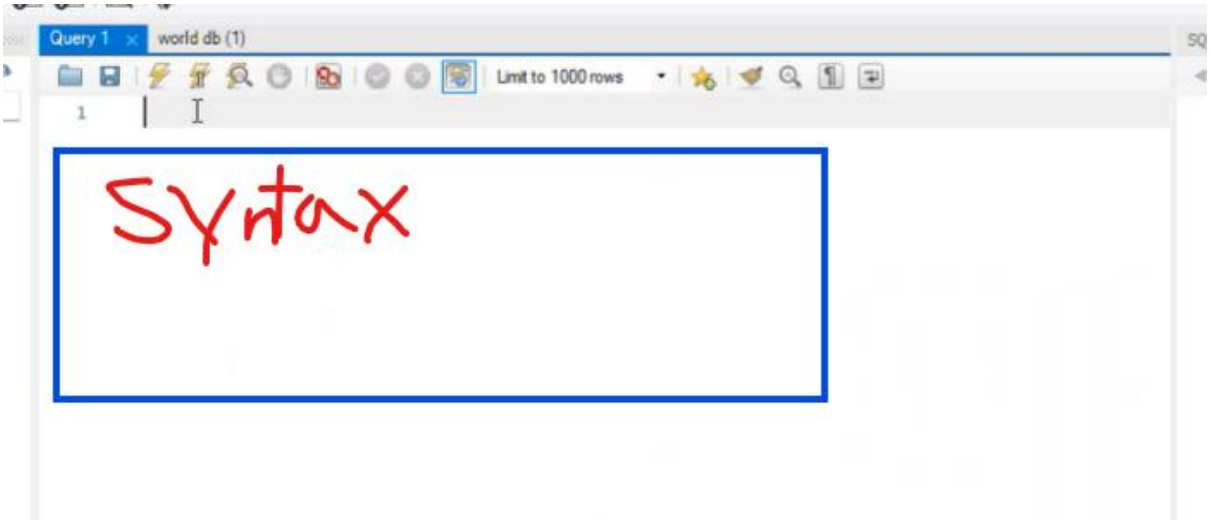
4. **You should now see the data importing**

5. **Click the 'refresh' icon and we can see the schema we'll work from.**



6. **To start the activity, click on Query1, this is where you can start typing your syntax to answer the questions. You may need to open a new query to do this.** 

(The lightening bolt will execute your syntax).



7. **You can answer the questions in many ways, so each group may use different syntax.**