

# How to Create a MySQL Database with MySQL Workbench

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## Introduction

MySQL workbench is a windows GUI software agent used to administrate MySQL servers and databases, and is often installed by default on a windows server running MySQL, however you can also install it remotely on a client or developer machine. This tutorial illustrates how to create a new database and a new user to access that database on a MySQL Server using phpMyAdmin.

## Prerequisites

- You will require a root or DBA user login to the MySQL server, or a user login with permission to create new databases.
- MySQL servers are usually configured to NOT allow a root user login from a remote host. You will need to first create a DBA user login, or use MySQL Workbench locally installed on the Mysql Server.
- You will need to have MySQL workbench installed. To download the latest version [click here](#).

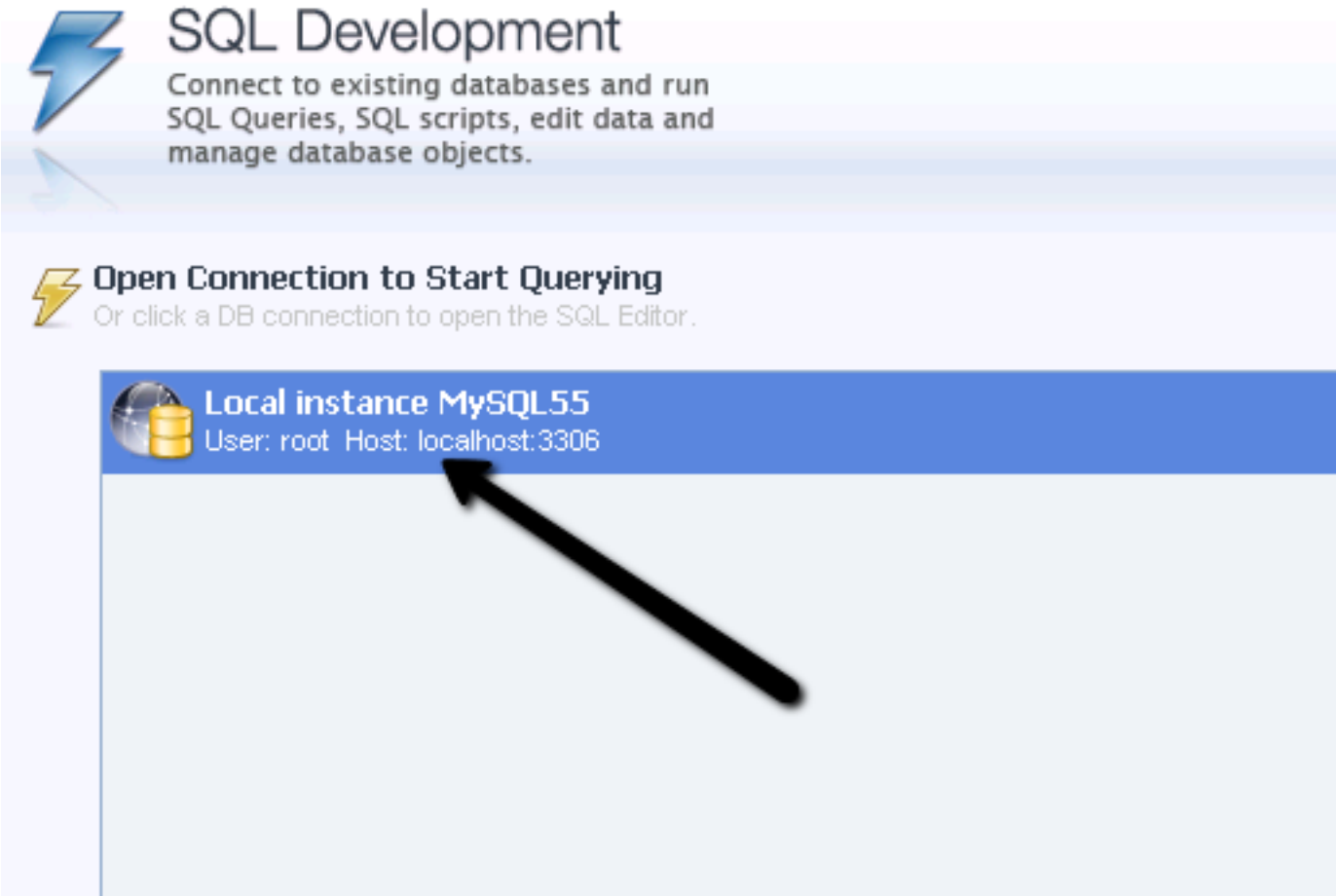
## Using Mysql Workbench Version 5.2

Open the MySQL Workbench software.

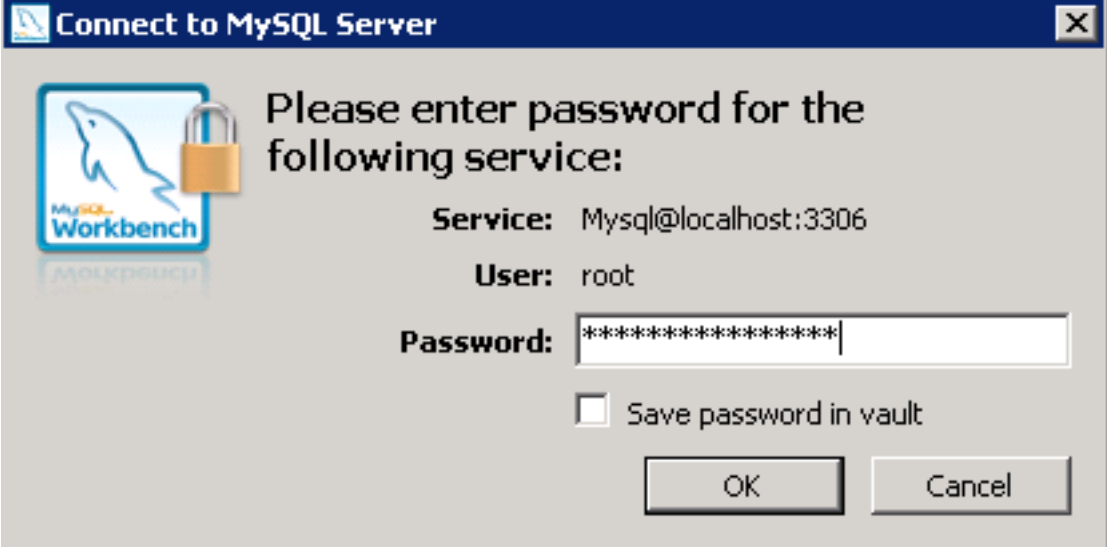


DOUBLE-Click on your MySQL instance under the **SQL Development** section of Workbench to create a new schema.

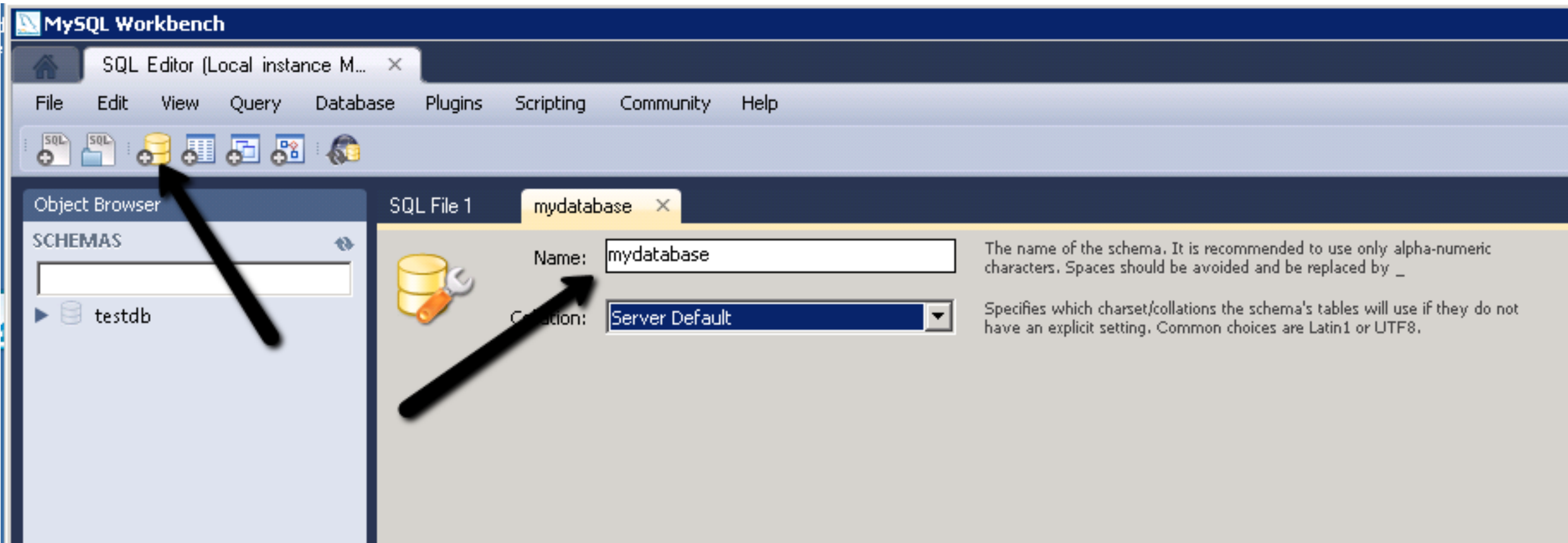
NOTE: Databases are called schema's in MySQL Workbench.



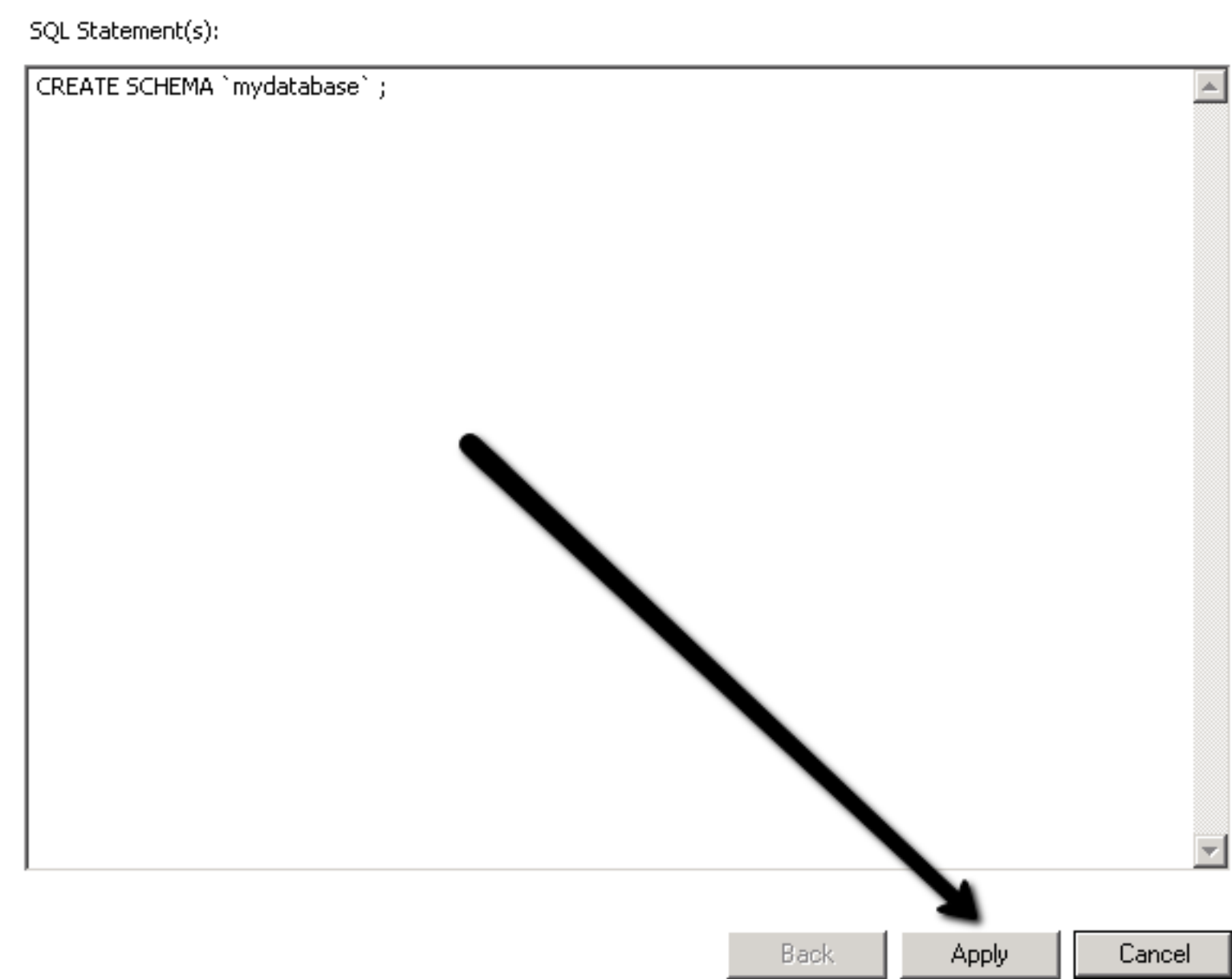
MySQL workbench may require a login to your MySQL server. Enter your root or user and password that has been assigned dba server privileges.



Click on the **New Schema** icon in the menu, and then enter a **name** for your new database in the field as shown. Click the **Apply** button to generate the SQL script.



Click the **Apply** button again to execute the create database statement, and create your new database.



Click **Finish**.

### Applying SQL script to the database ...

The following tasks will now be executed. Please monitor the execution.  
Press Show Logs to see the execution logs.

☒ Execute SQL Statements

SQL script was successfully applied to the database.



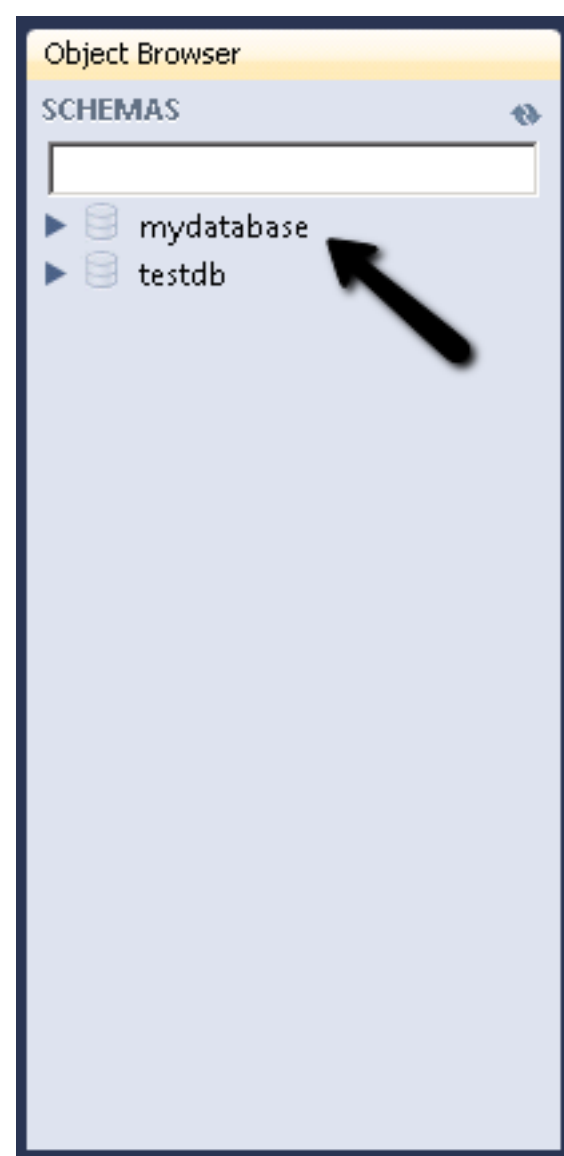
Show Logs

Back

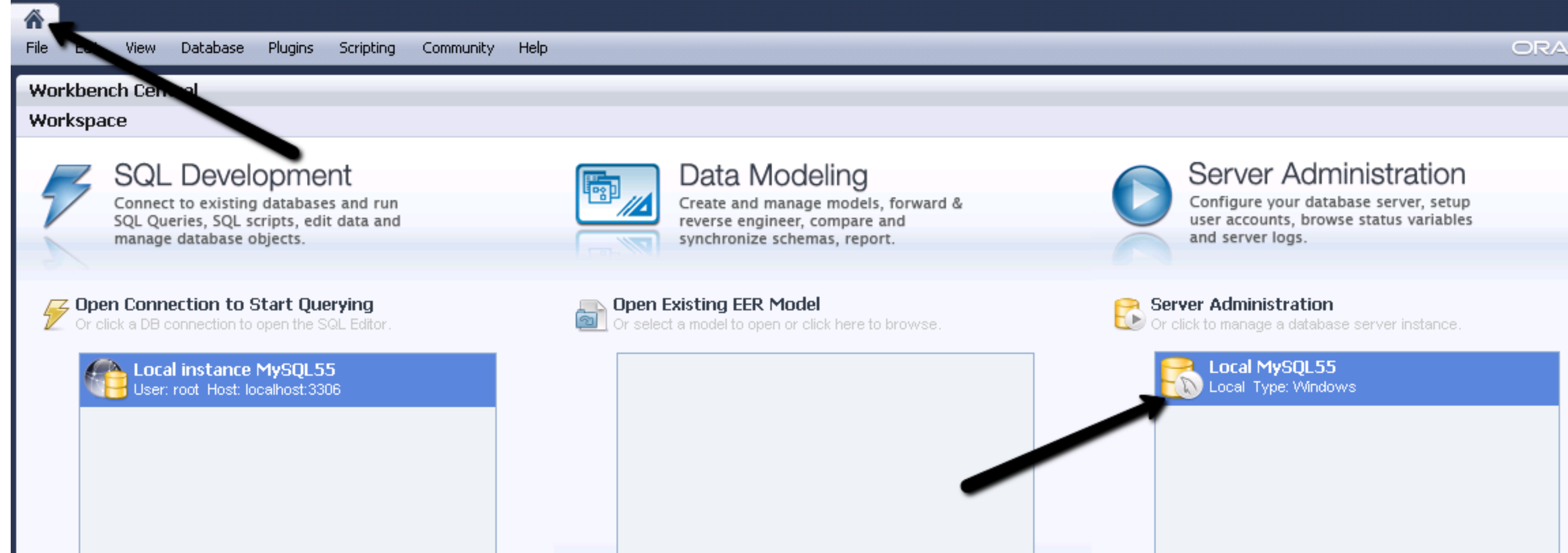
Finish

Cancel

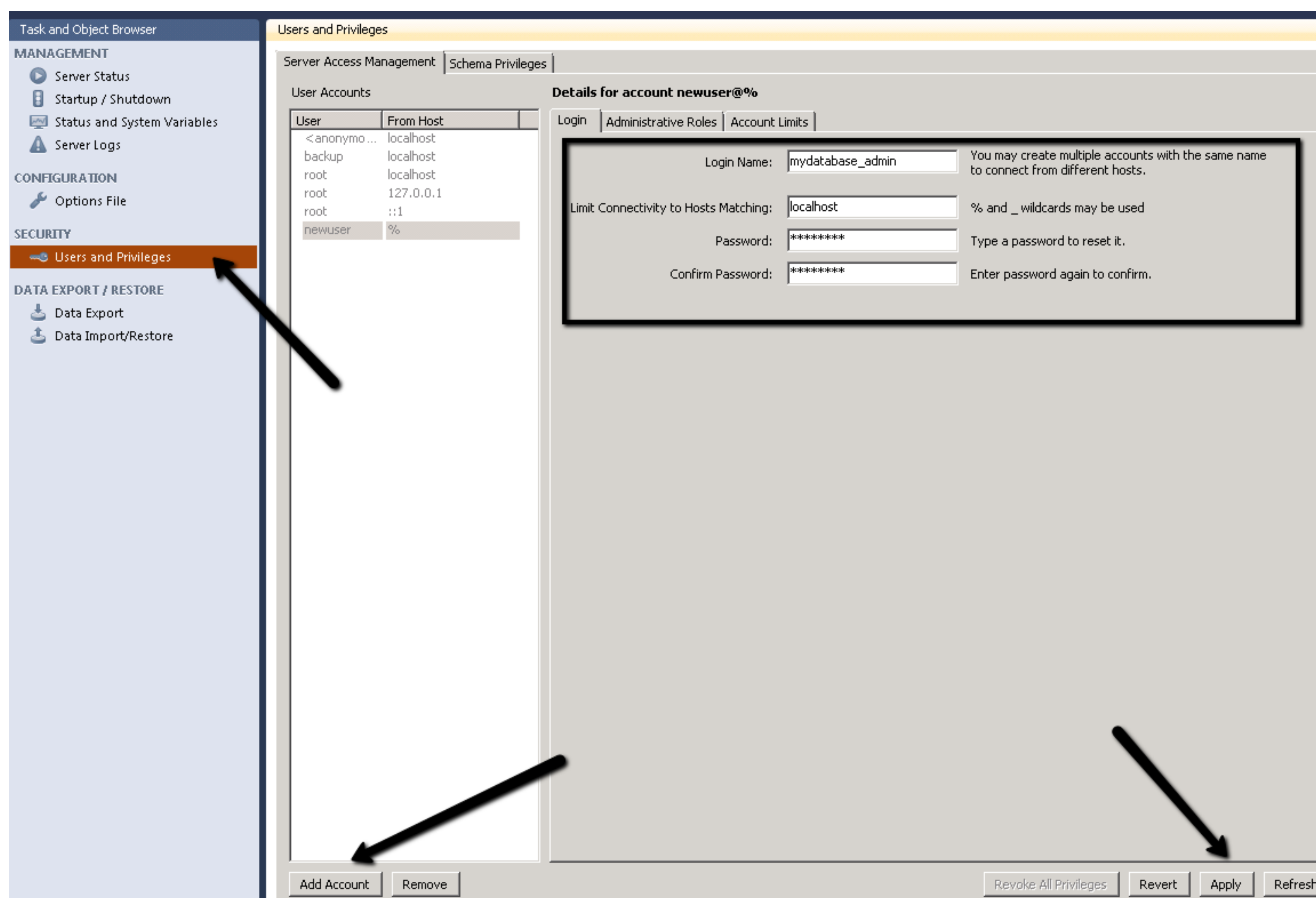
Your database should now be listed on the left with your other database schemas.



Click the **Home** icon in the top left corner to return to the Workbench Central screen. Click on your MySQL server instance under the **Server Administrator** section of MySQL workbench to create a new database user and assign privileges to your new database.



Click on **Users and Privileges**. Then click on **Add Account**. Enter a **login name** for the new user, type **localhost** and a new **password** as shown. Click **Apply** to create the new user account.



To assign privileges for this user to access a specific database, click on the **Schema Privileges** tab. Click the **user account** from the list of users on the left. Click the **Add Entry** button.

Server Access Management

Schema Privileges

Users

<anonymous>  
root  
backup  
mydatabase\_admin

Select a user and pick the privileges it has for a given Schema and Host combination.

Host	Schema	Privileges
------	--------	------------

Schema and Host fields may use % and \_ wildcards.  
The server will match specific entries before wildcarded ones.

Delete EntryAdd Entry...

Object Rights

☐ SELECT  
☐ INSERT  
☐ UPDATE  
☐ DELETE  
☐ EXECUTE  
☐ SHOW VIEW

DDL Rights

☐ CREATE  
☐ ALTER  
☐ REFERENCES  
☐ INDEX  
☐ CREATE VIEW  
☐ CREATE ROUTINE  
☐ ALTER ROUTINE  
☐ DROP  
☐ TRIGGER

Other Rights

☐ GRANT OPTION  
☐ CREATE TEMPORARY TABLES  
☐ LOCK TABLES

Select "ALL"Unselect All

RevertSave Changes

Select the **Selected Schema** radio option, and choose your database schema from the list.

New Schema Privilege Definition

Select the Host and the Schema for which the user 'mydatabase\_admin' will have the privileges you want to define.

Host

☒ Any Host (%)  
☐ Hosts matching pattern or name:  
☐ Selected host: localhost

Schema

☐ Any Schema (%)  
☐ Schemas matching pattern or name:  

information\_schema  
mydatabase  
mysql  
performance\_schema  
testdb

  
☒ Selected schema:

CancelOK

Select the appropriate privileges to allow the user access to the selected database. Most modern website software will only require the permissions listed below. Click Save Changes to complete your new user setup.

Select, Insert, Update, Delete, Create, Alter, Index, Drop, Create Temporary Tables, Lock Tables

Server Access Management

Schema Privileges

Users

<anonymous>  
root  
backup  
mydatabase\_admin

Select a user and pick the privileges it has for a given Schema and Host combination.

Host	Schema	Privileges
%	mydatabase	ALTER, CREATE, CREATE TEMPORARY TABLES, DELETE, DROP, INDEX, INSERT, LOCK TABLES, SELECT, UPDA

Schema and Host fields may use % and \_ wildcards.  
The server will match specific entries before wildcarded ones.

Delete Entry

Add Entry...

The user 'mydatabase\_admin', when connecting from any host, will have the following access rights to the schema 'mydatabase':

Object Rights

☒ SELECT

☒ INSERT

☒ UPDATE

☒ DELETE

☐ EXECUTE

☐ SHOW VIEW

DDL Rights

☒ CREATE

☒ ALTER

☐ REFERENCES

☒ INDEX

☐ CREATE VIEW

☐ CREATE ROUTINE

☐ ALTER ROUTINE

☒ DROP

☐ TRIGGER

Other Rights

☐ GRANT OPTION

☒ CREATE TEMPORARY TABLES

☒ LOCK TABLES

Select "ALL"

Unselect All

Save Changes

You can now test your new user login by using MySQL Workbench with your newly created user account.