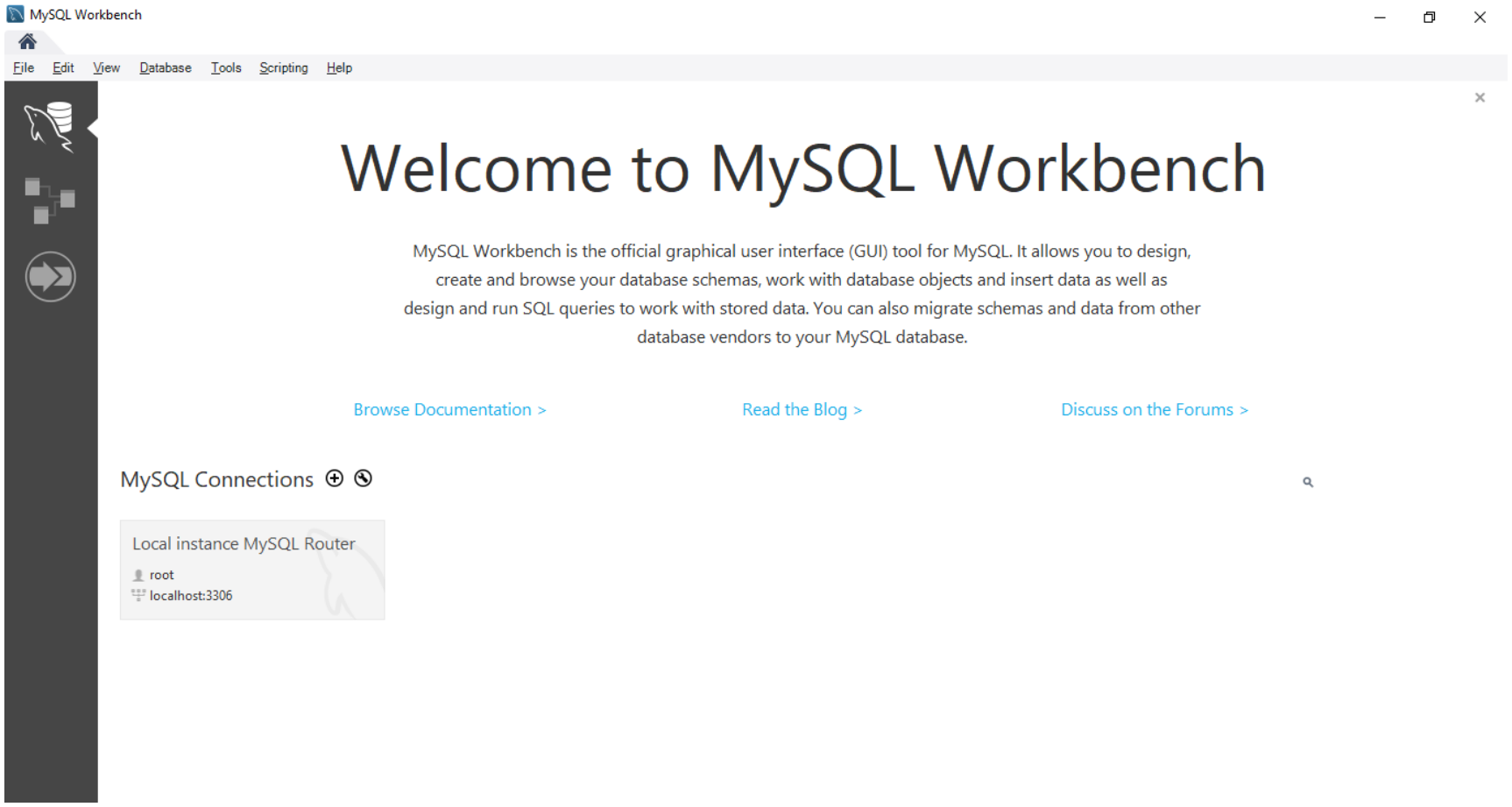
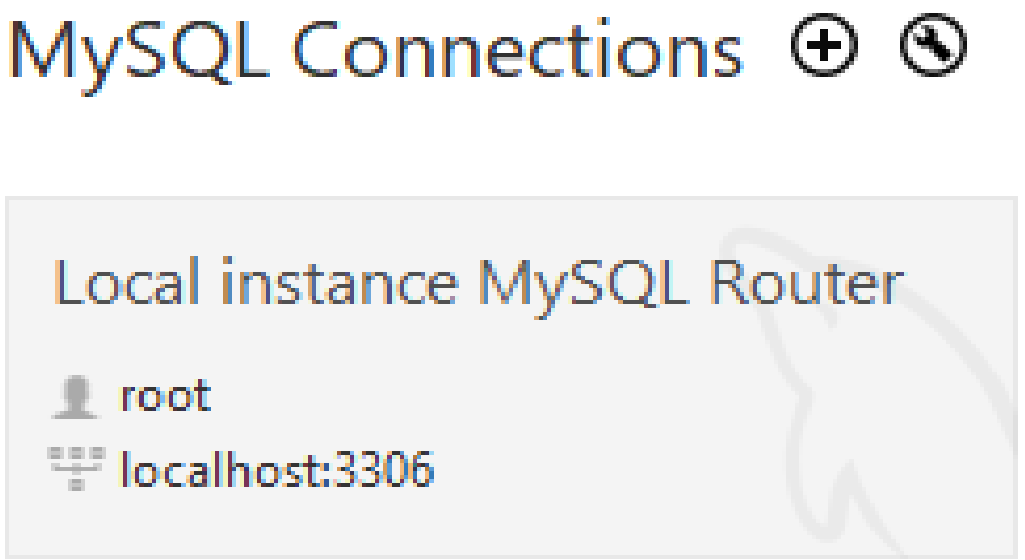
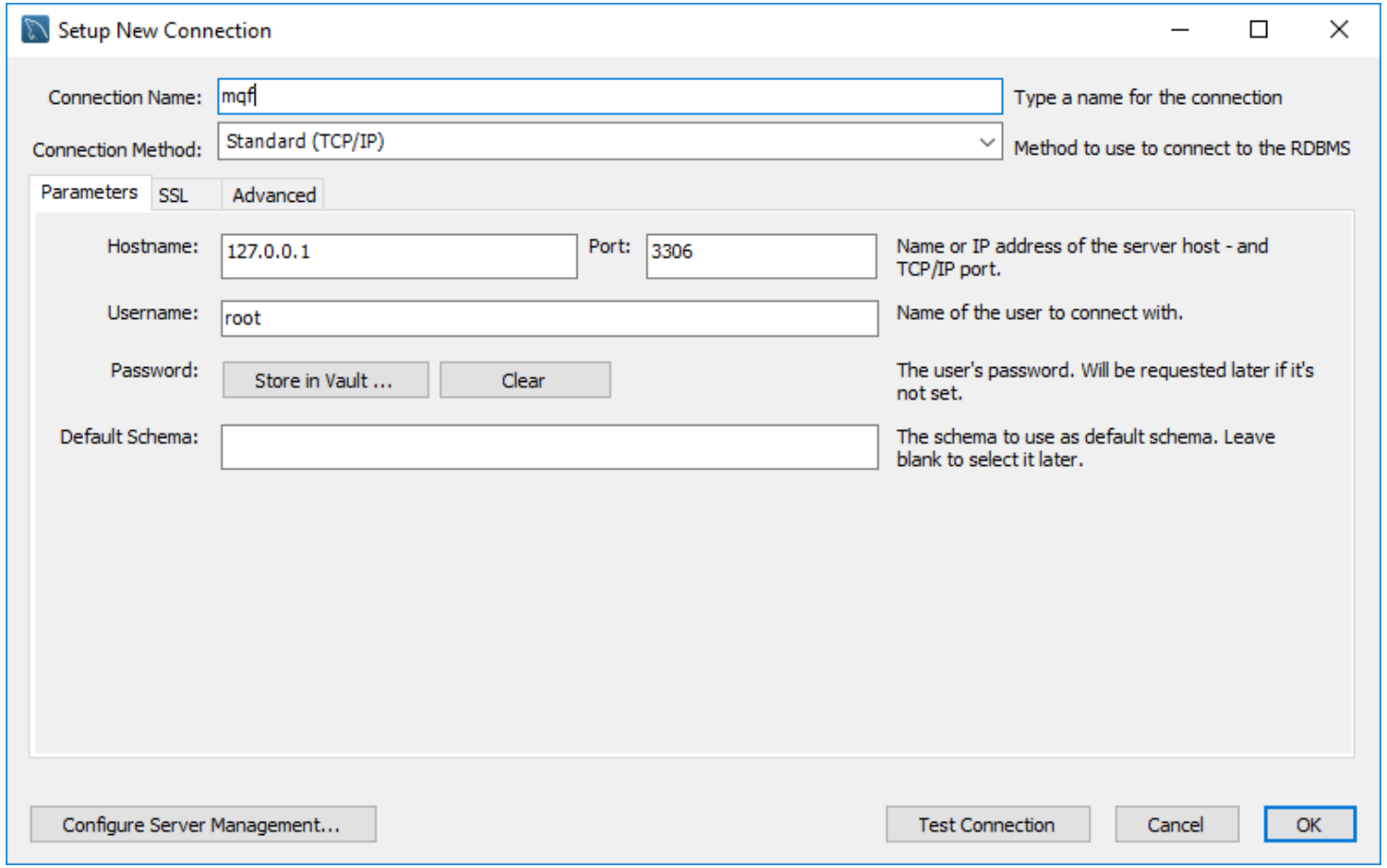
Test Run MySql Workbench


MySQL Workbench
File Edit View Database Tools Scripting Help
Welcome to MySQL Workbench
MySQL Workbench is the official graphical user interface (GUI) tool for MySQL. It allows you to design, create and browse your database schemas, work with database objects and insert data as well as design and run SQL queries to work with stored data. You can also migrate schemas and data from other database vendors to your MySQL database.
Browse Documentation >
Read the Blog >
Discuss on the Forums >
MySQL Connections
Local instance MySQL Router
root
localhost:3306

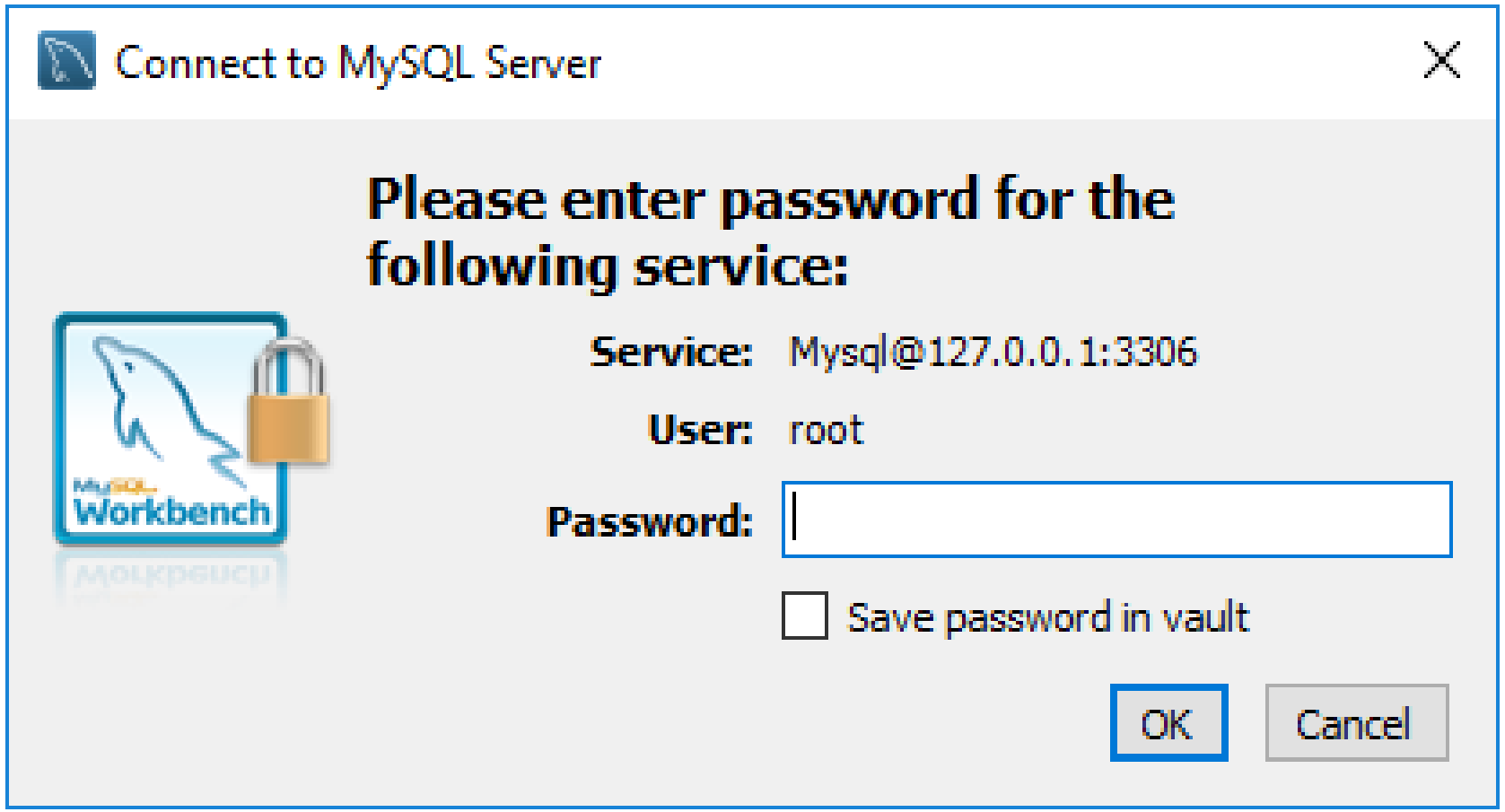
Click on + and give a name



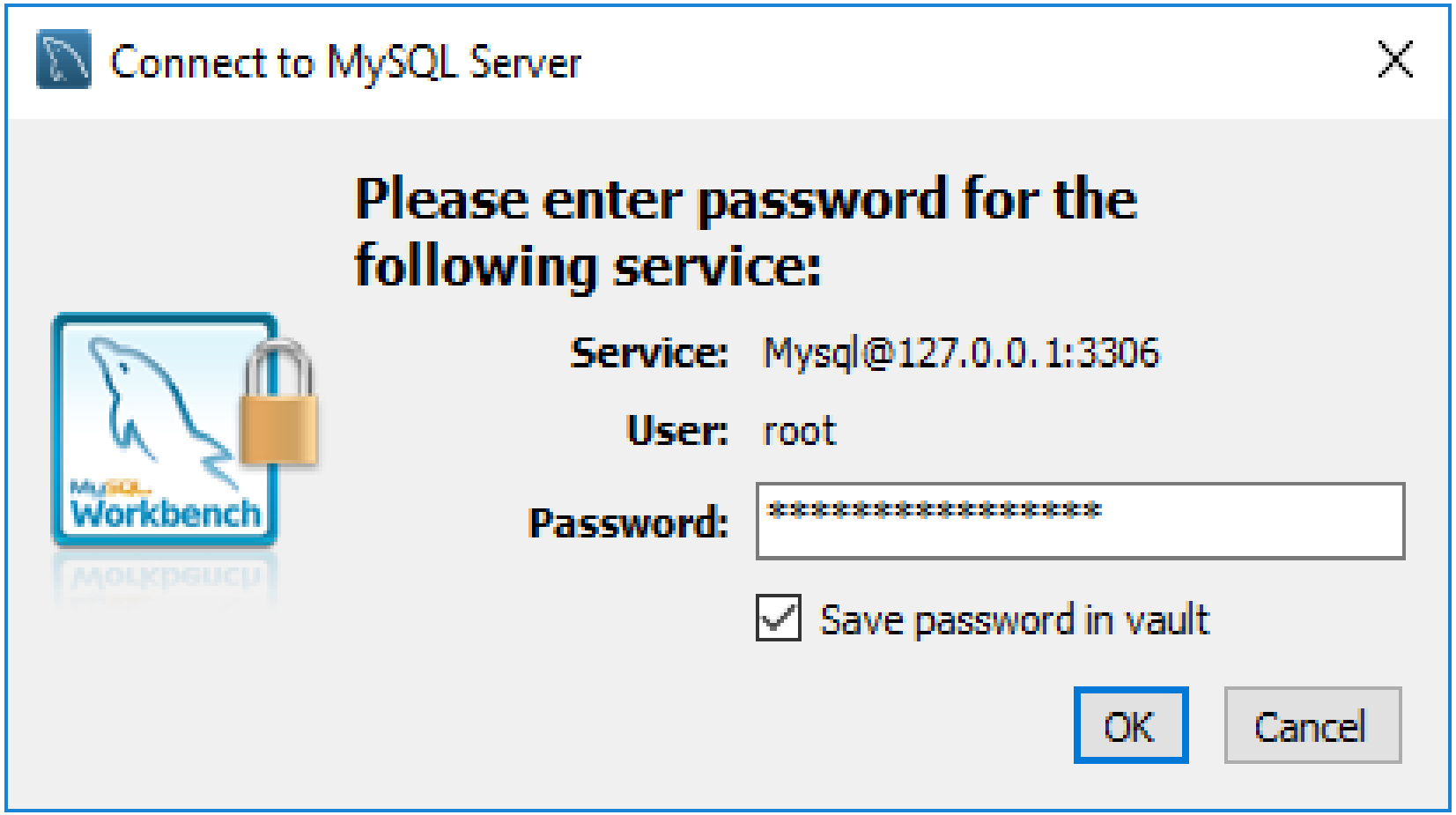
Choose a connection name you like



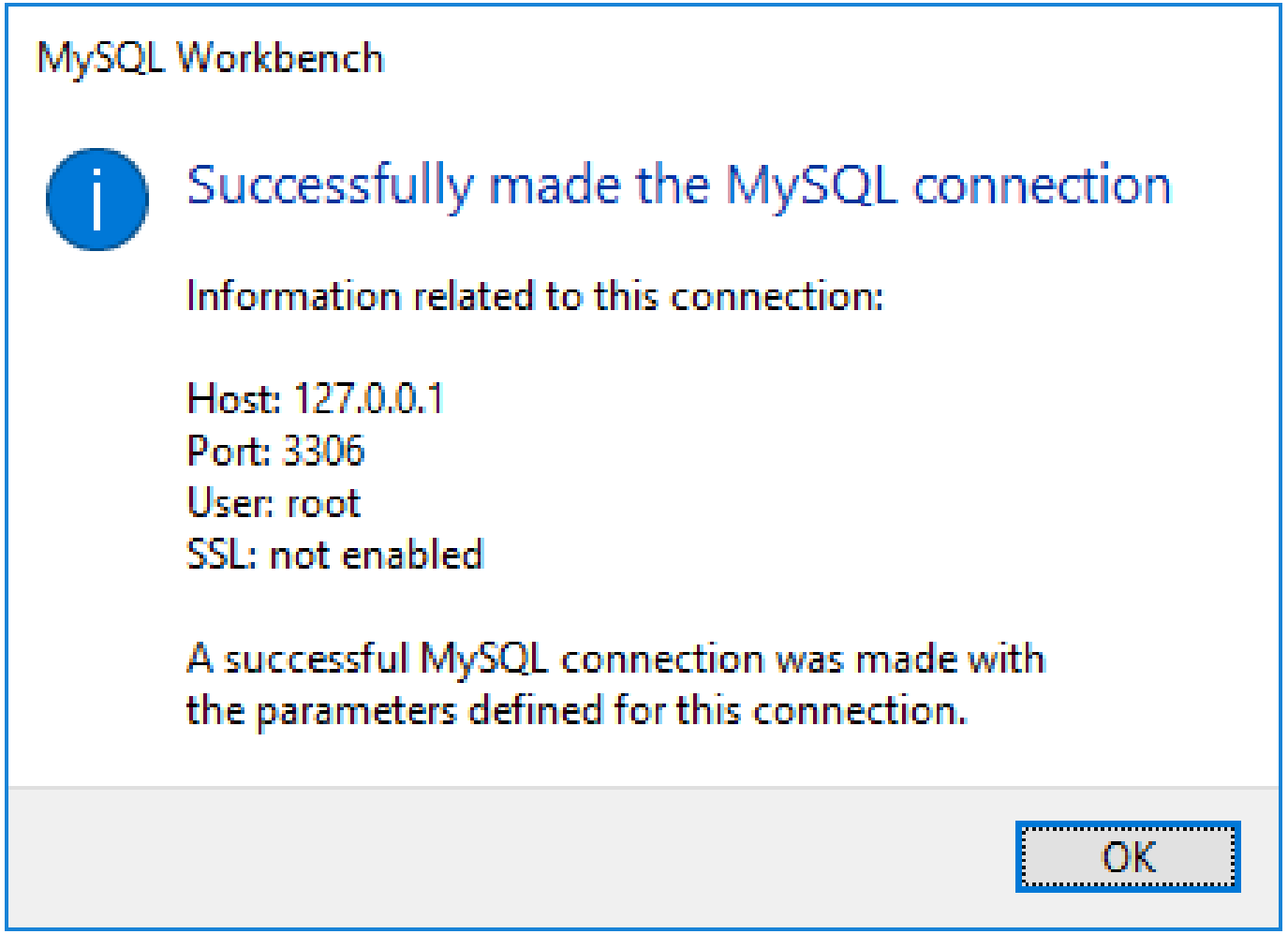
Click on Test Connection. Enter password



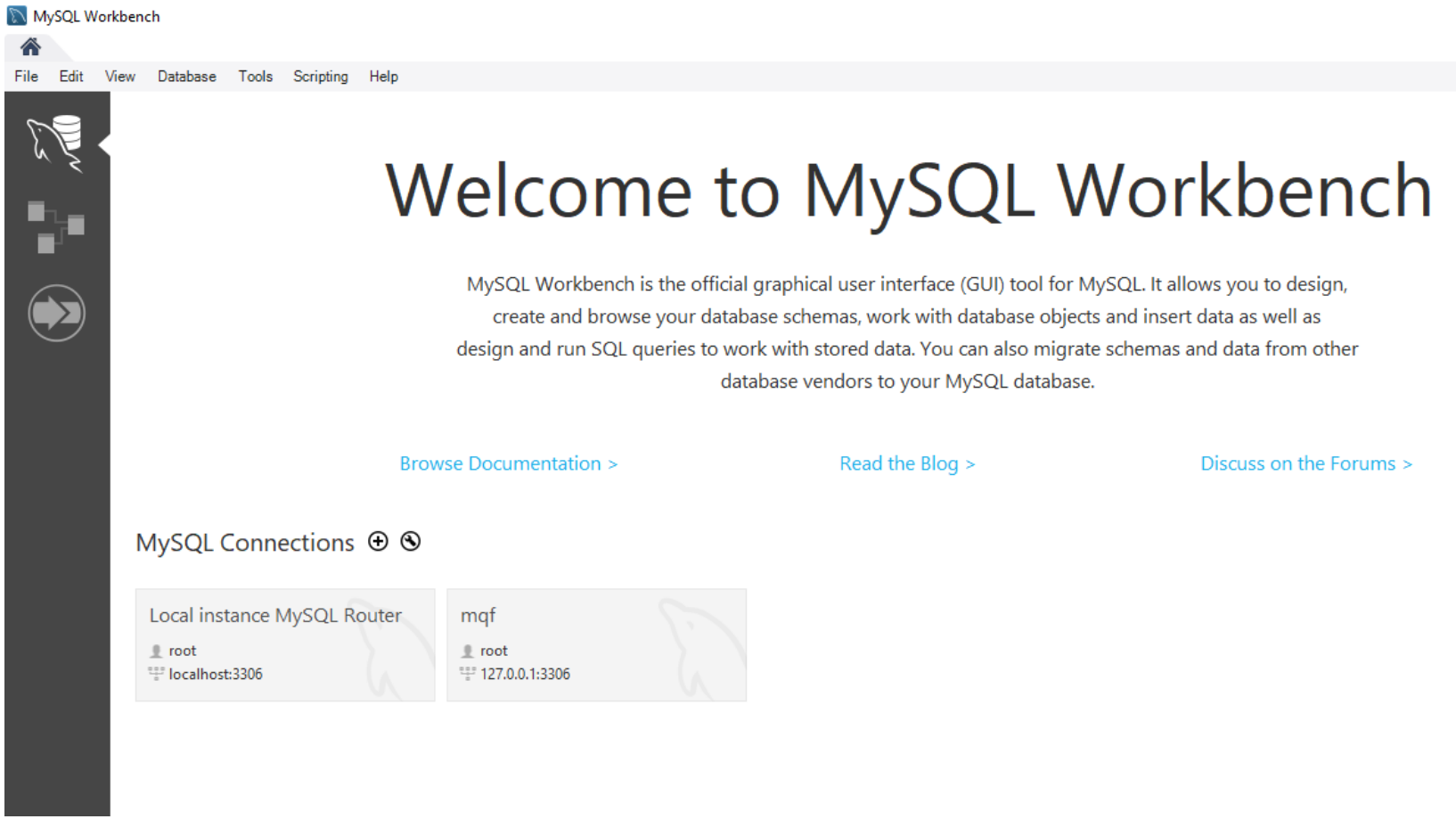
Save password in vault

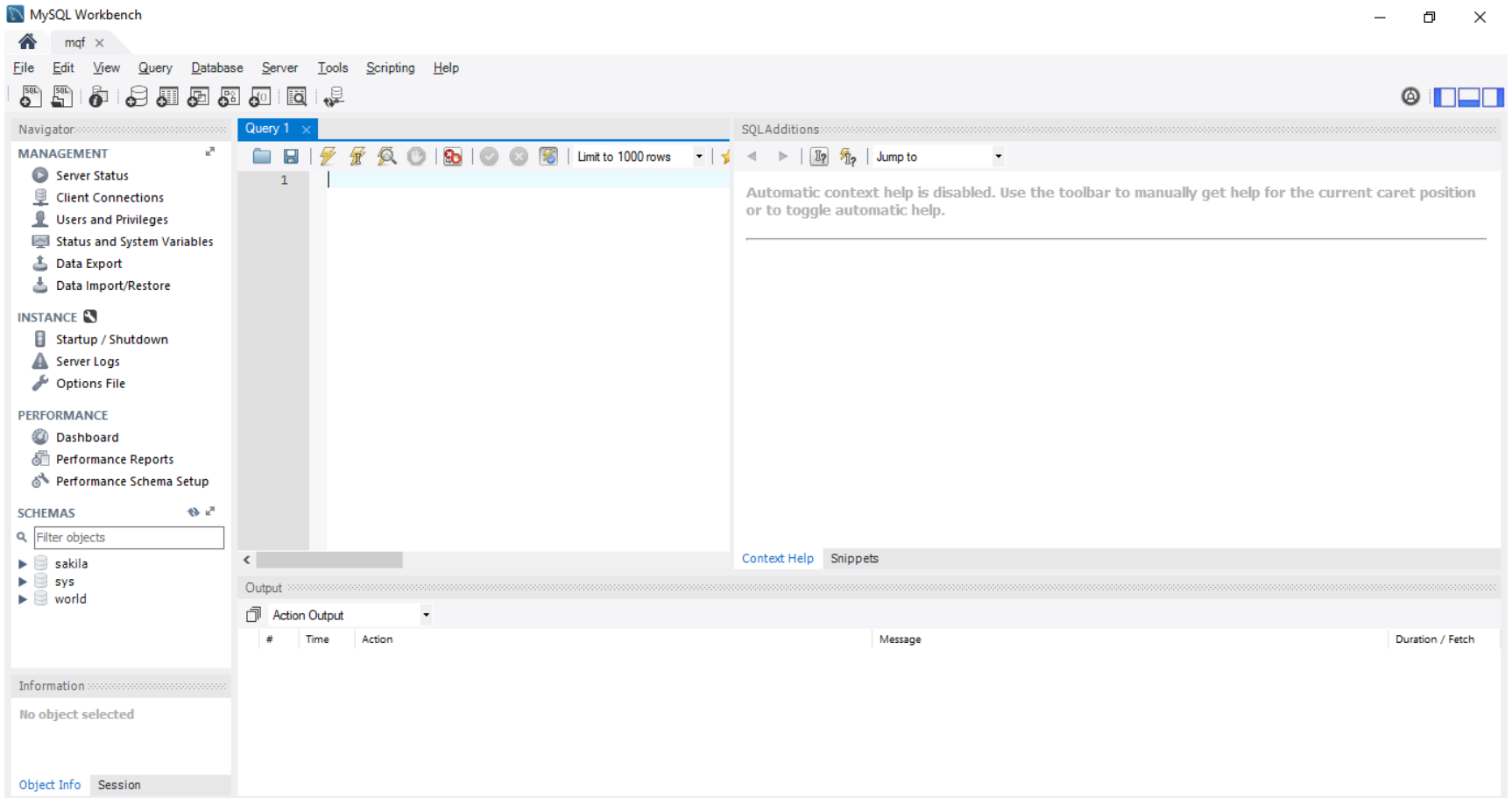


Click OK

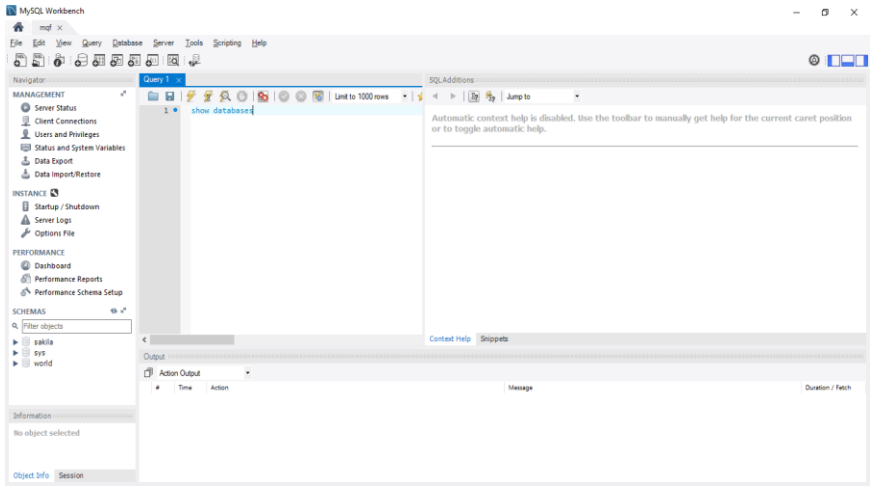

MySQL Workbench
Successfully made the MySQL connection
Information related to this connection:
Host: 127.0.0.1
Port: 3306
User: root
SSL: not enabled
A successful MySQL connection was made with
the parameters defined for this connection.
OK

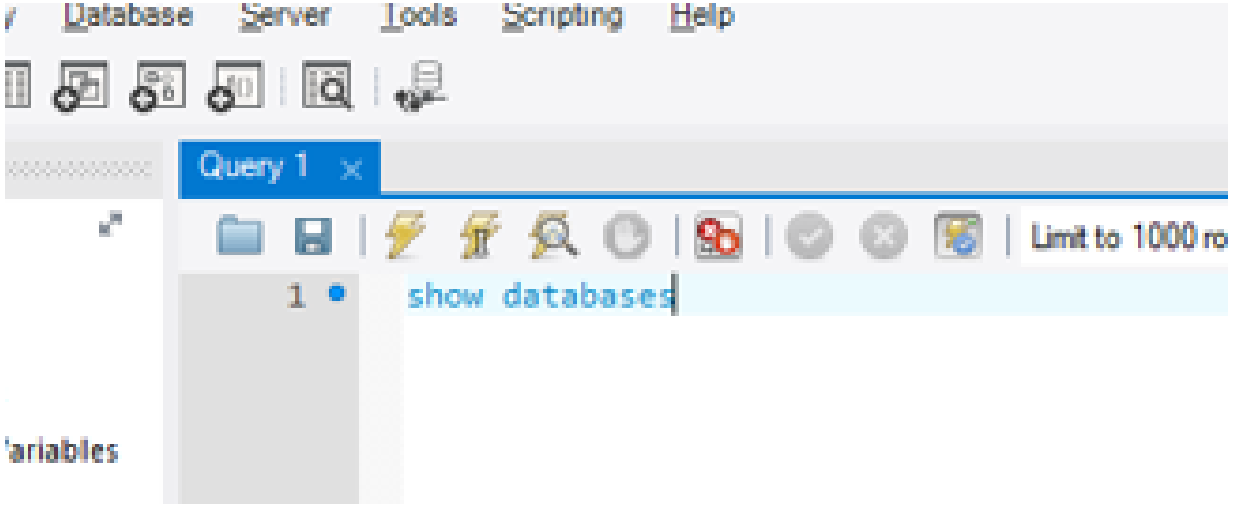
Click on mqf


MySQL Workbench
File Edit View Database Tools Scripting Help
Welcome to MySQL Workbench
MySQL Workbench is the official graphical user interface (GUI) tool for MySQL. It allows you to design, create and browse your database schemas, work with database objects and insert data as well as design and run SQL queries to work with stored data. You can also migrate schemas and data from other database vendors to your MySQL database.
Browse Documentation >
Read the Blog >
Discuss on the Forums >
MySQL Connections
Local instance MySQL Router
root
localhost:3306
mqf
root
127.0.0.1:3306

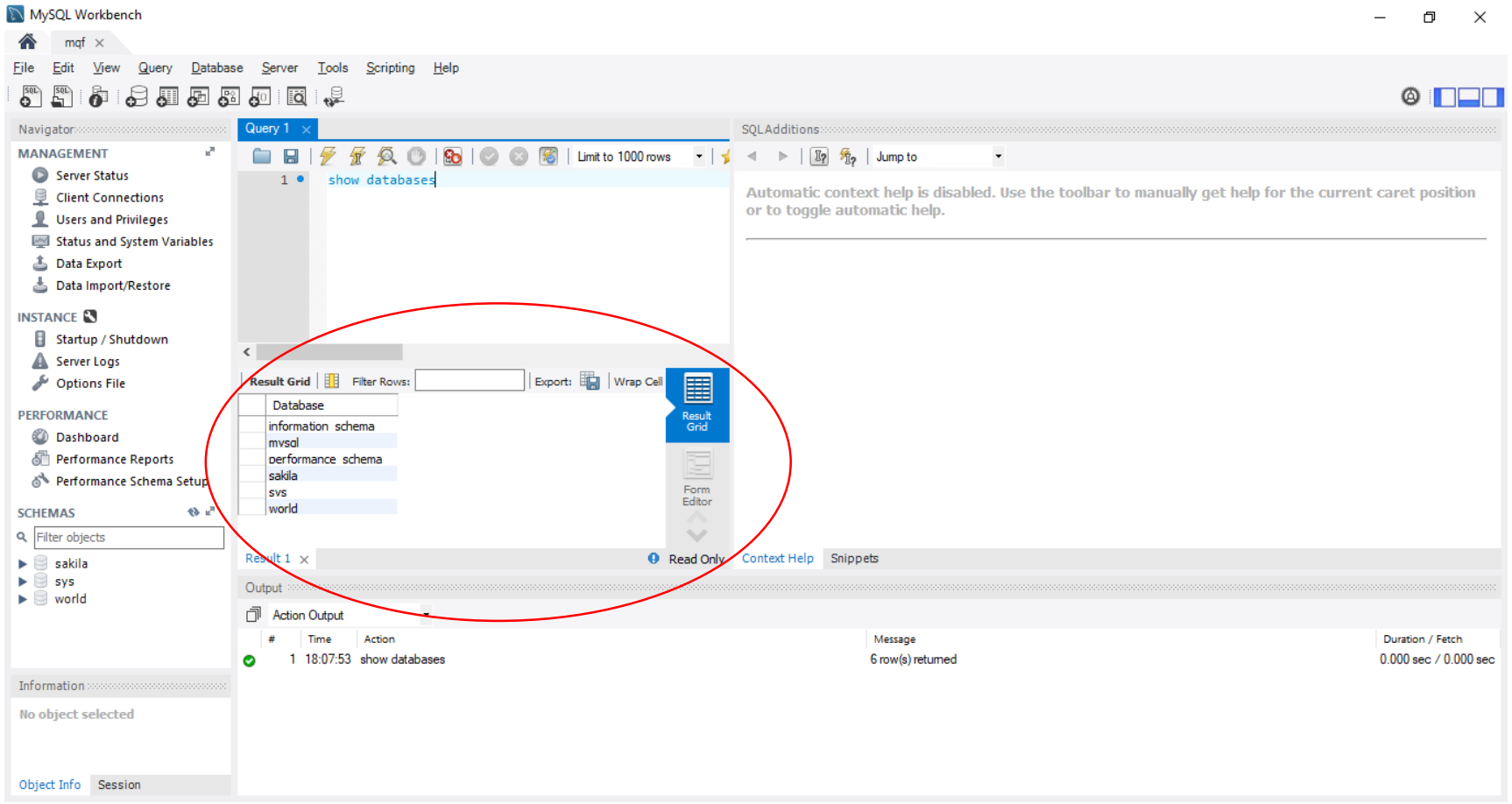

MySQL Workbench
mqf
File Edit View Query Database Server Tools Scripting Help
Navigator
MANAGEMENT
Server Status
Client Connections
Users and Privileges
Status and System Variables
Data Export
Data Import/Restore
INSTANCE
Startup / Shutdown
Server Logs
Options File
PERFORMANCE
Dashboard
Performance Reports
Performance Schema Setup
SCHEMAS
Filter objects
sakila
sys
world
Information
No object selected
Object Info
Session
Query 1
Limit to 1000 rows
1
SQLAdditions
Jump to
Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.
Context Help
Snippets
Output
Action Output
Time Action Message Duration / Fetch

Type in show databases on query editor



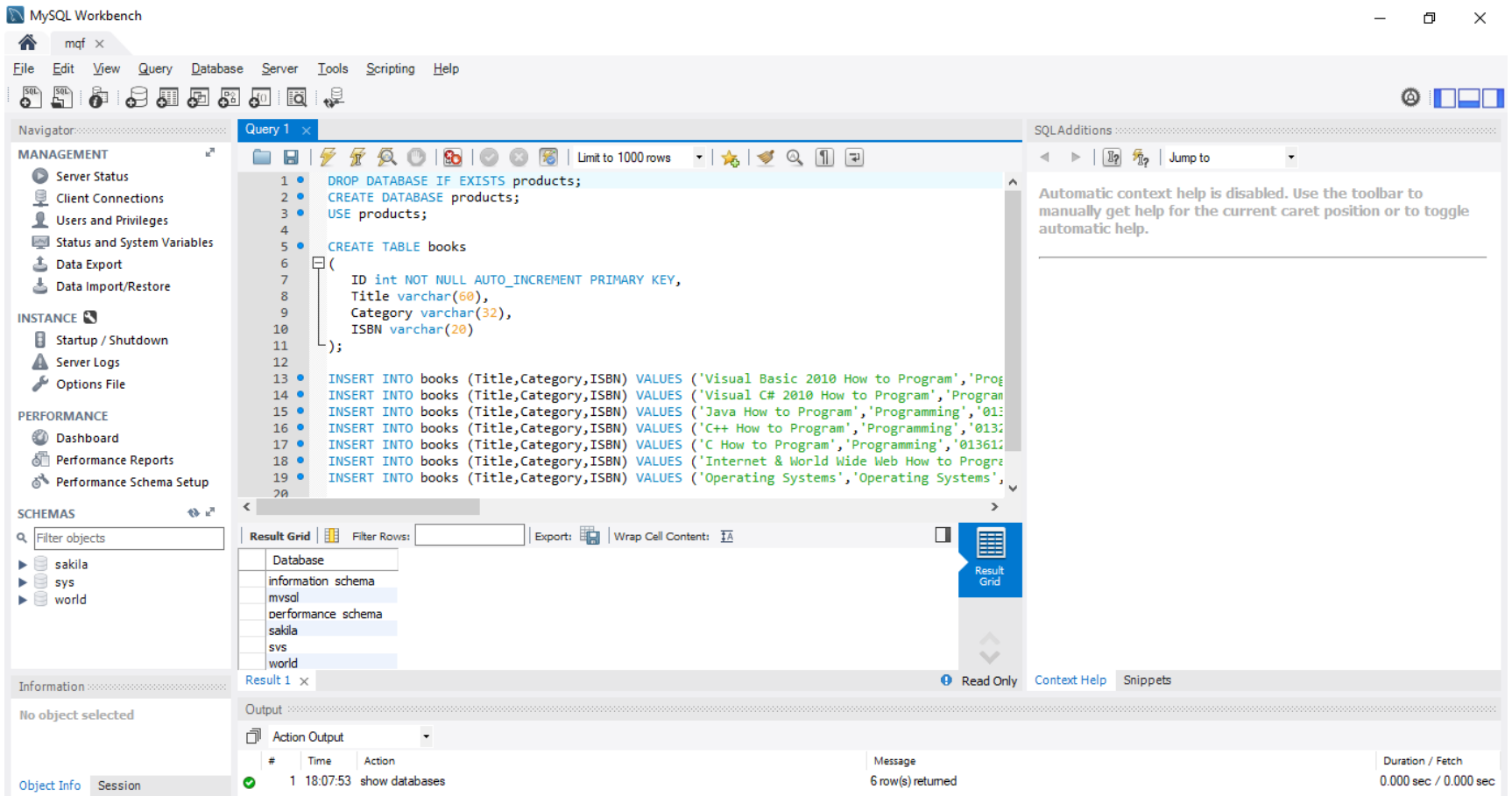


Click lightning bolt to execute the sql statement

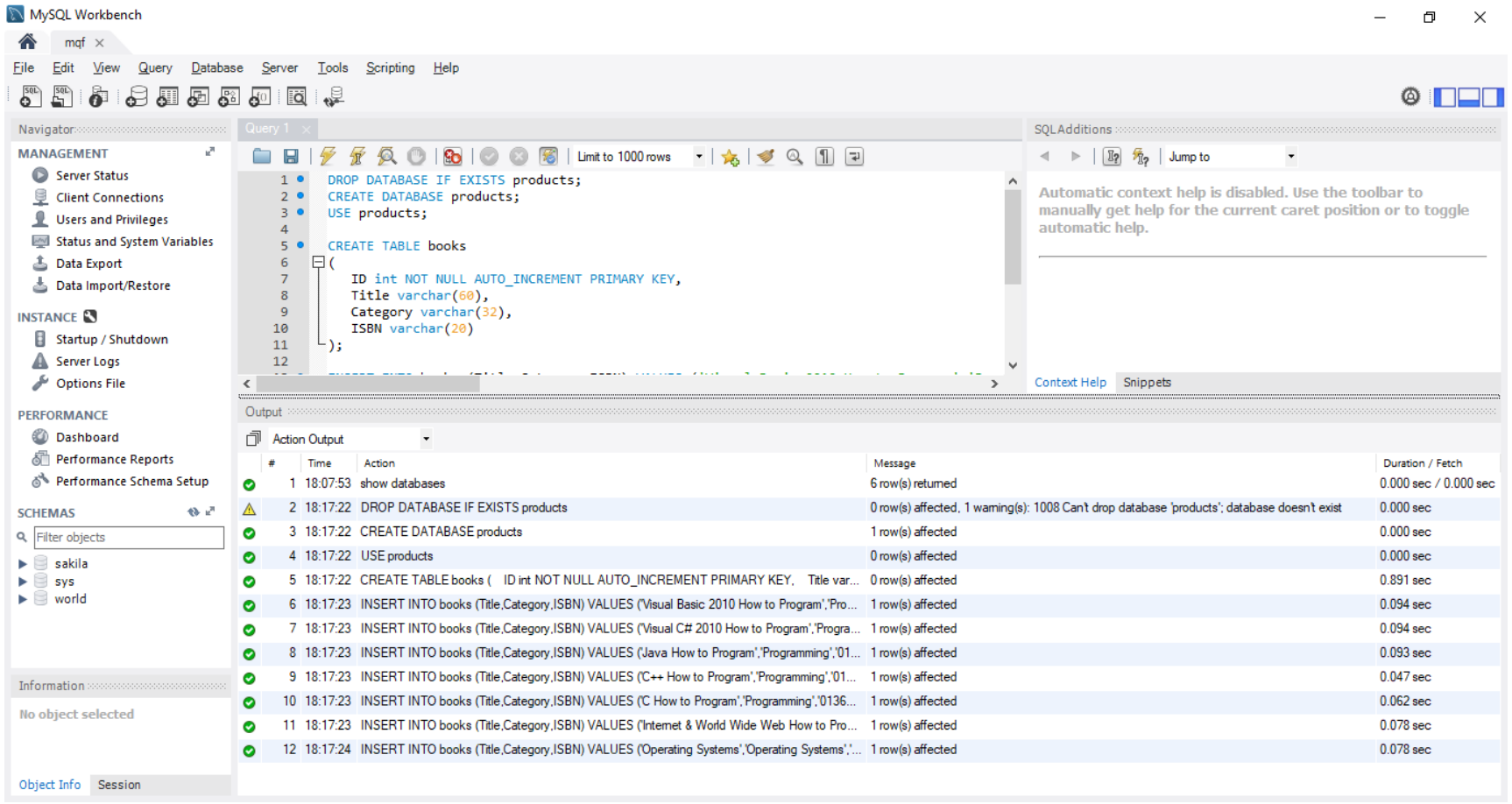


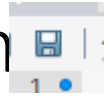
Let’s copy the products.sql into query editor area

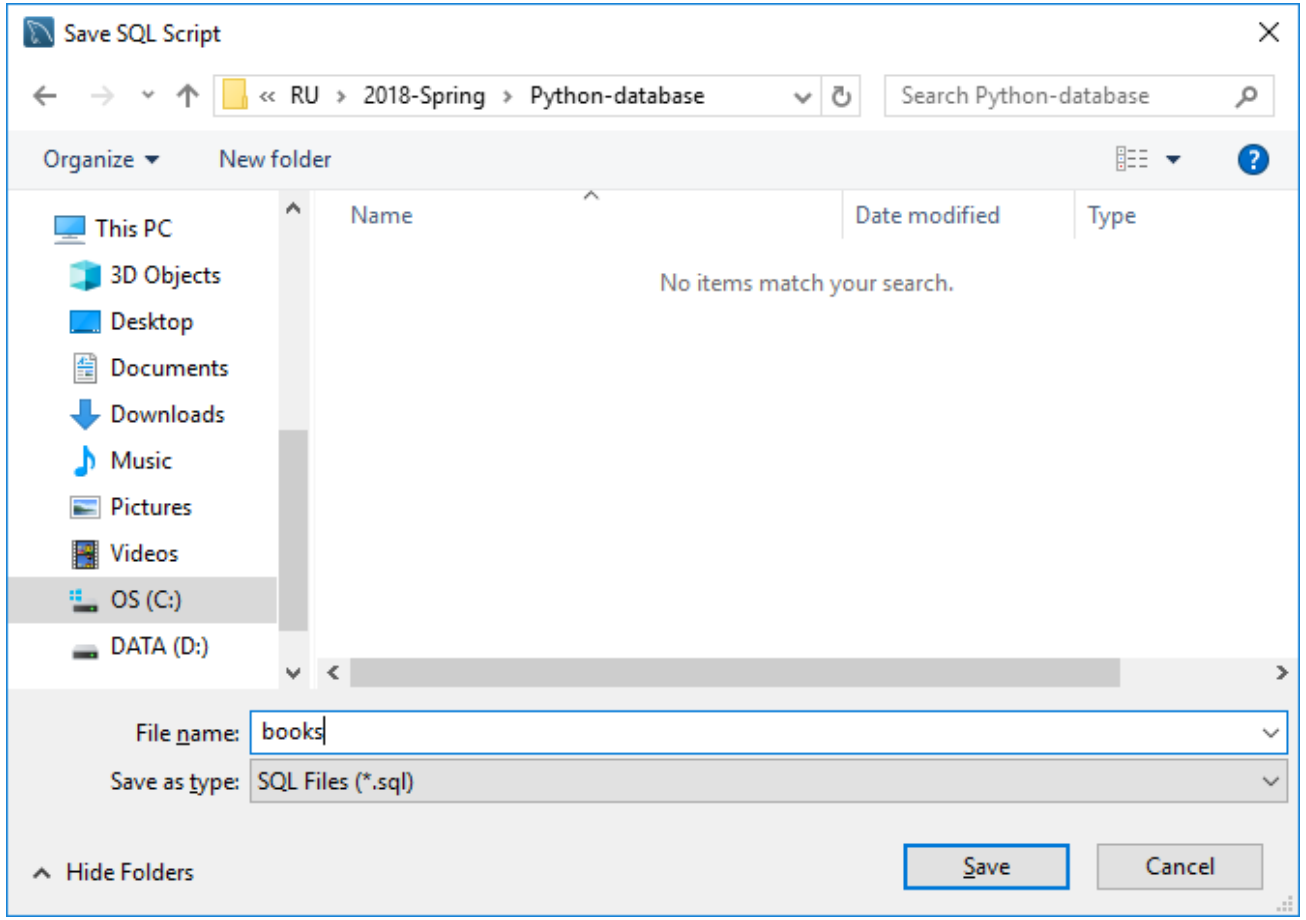
```
DROP DATABASE IF EXISTS products;
CREATE DATABASE products;
USE products;
CREATE TABLE books
(
  ID int NOT NULL AUTO_INCREMENT PRIMARY KEY,
  Title varchar(60),
  Category varchar(32),
  ISBN varchar(20)
);
INSERT INTO books (Title,Category,ISBN) VALUES ('Visual Basic 2010 How to Program','Programming','0132152134');
INSERT INTO books (Title,Category,ISBN) VALUES ('Visual C# 2010 How to Program','Programming','0132151421');
INSERT INTO books (Title,Category,ISBN) VALUES ('Java How to Program','Programming','0132575663');
INSERT INTO books (Title,Category,ISBN) VALUES ('C++ How to Program','Programming','0132662361');
INSERT INTO books (Title,Category,ISBN) VALUES ('C How to Program','Programming','0136123562');
INSERT INTO books (Title,Category,ISBN) VALUES ('Internet & World Wide Web How to Program','Programming','0132151006');
INSERT INTO books (Title,Category,ISBN) VALUES ('Operating Systems','Operating Systems','0131828274');
```


MySQL Workbench
mqf
File Edit View Query Database Server Tools Scripting Help
Navigator
MANAGEMENT
Server Status
Client Connections
Users and Privileges
Status and System Variables
Data Export
Data Import/Restore
INSTANCE
Startup / Shutdown
Server Logs
Options File
PERFORMANCE
Dashboard
Performance Reports
Performance Schema Setup
SCHEMAS
Filter objects
sakila
sys
world
Information
No object selected
Object Info
Session
Query 1
Limit to 1000 rows
1 DROP DATABASE IF EXISTS products;
2 CREATE DATABASE products;
3 USE products;
4
5 CREATE TABLE books
6 (
7 ID int NOT NULL AUTO_INCREMENT PRIMARY KEY,
8 Title varchar(60),
9 Category varchar(32),
10 ISBN varchar(20)
11);
12
13 INSERT INTO books (Title,Category,ISBN) VALUES ('Visual Basic 2010 How to Program','Prog
14 INSERT INTO books (Title,Category,ISBN) VALUES ('Visual C# 2010 How to Program','Program
15 INSERT INTO books (Title,Category,ISBN) VALUES ('Java How to Program','Programming','013
16 INSERT INTO books (Title,Category,ISBN) VALUES ('C++ How to Program','Programming','0132
17 INSERT INTO books (Title,Category,ISBN) VALUES ('C How to Program','Programming','013612
18 INSERT INTO books (Title,Category,ISBN) VALUES ('Internet & World Wide Web How to Progra
19 INSERT INTO books (Title,Category,ISBN) VALUES ('Operating Systems','Operating Systems',
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
Database
information_schema
mysql
performance_schema
sakila
sys
world
Result Grid
Result 1
Read Only
SQLAdditions
Jump to
Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.
Context Help
Snippets
Output
Action Output
Time Action Message Duration / Fetch
1 18:07:53 show databases 6 row(s) returned 0.000 sec / 0.000 sec

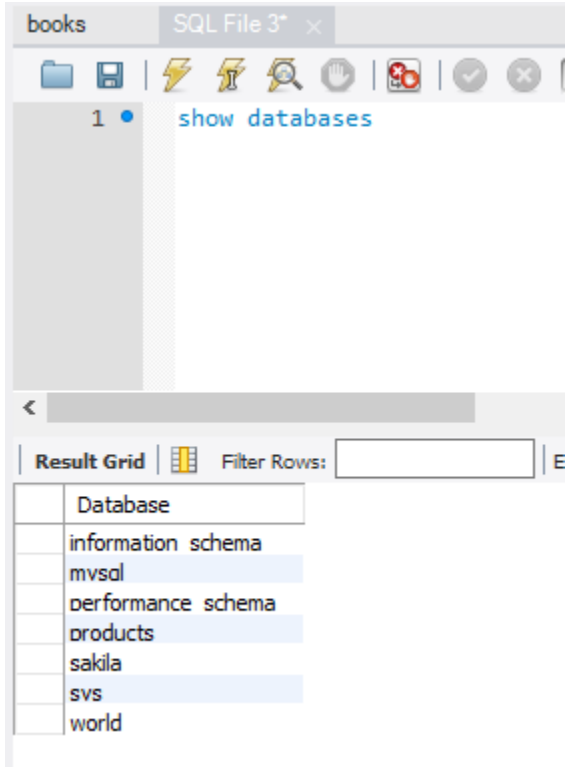
Now let's execute this SQL script by click on the lightning bolt again



Now let’s save this script to a file at a location you want so that we m  be use it later. Click left to the lightning bolt and store it as book.sql or other name you like



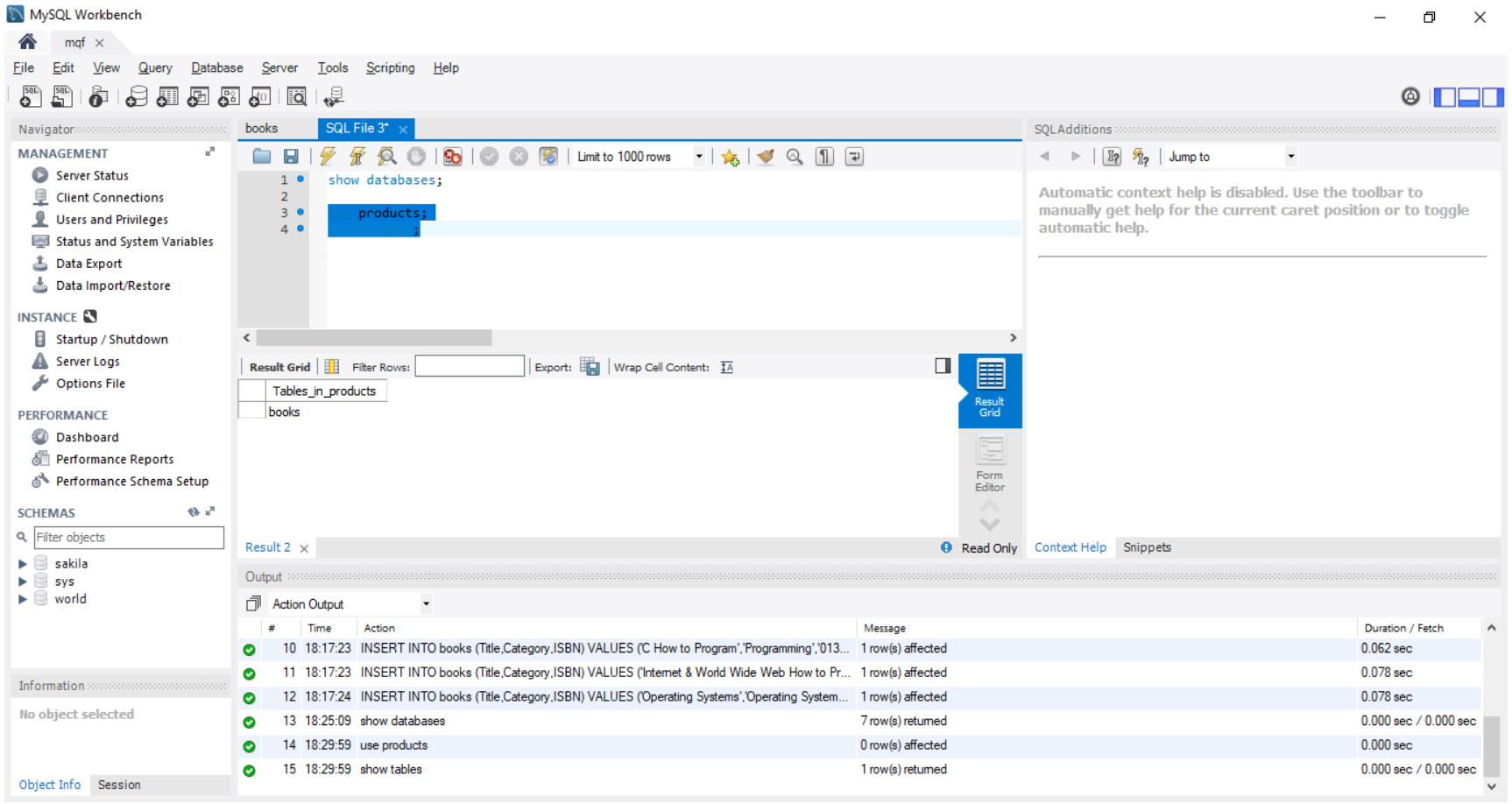
Let’s show databases again. Click on to open a new SQL tab to execute sql statement



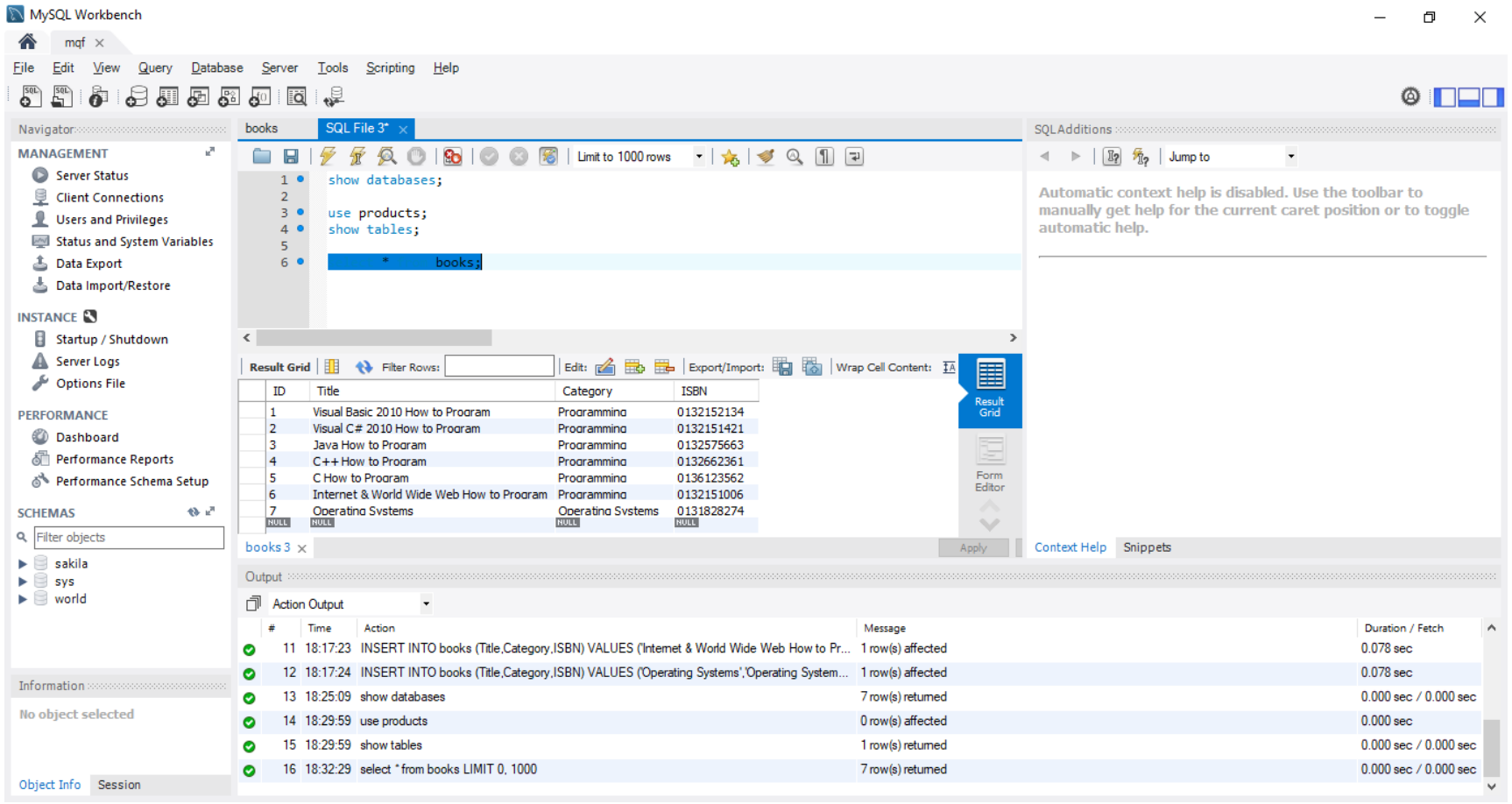
Check the table in products database

- Type in the following to see tables on products database
- use products;
- show tables;
- highlight it and click on the lighting bolt to execute the sql statements.

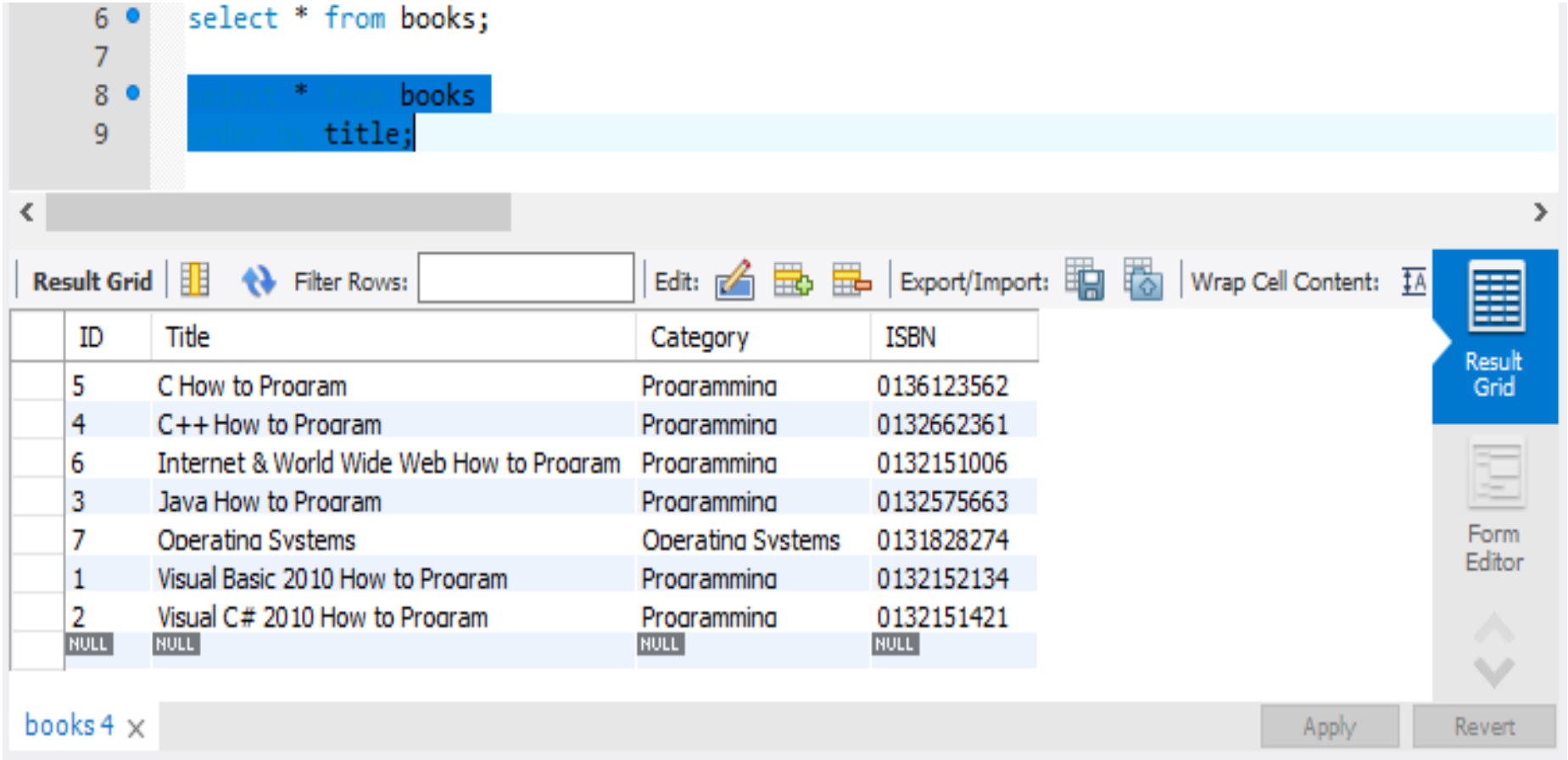
Only execute the highlighted statements

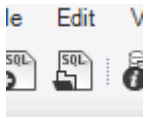


Type in “select * from books;” then highlight and the execute it



*select * from books*
order by title;



Click the  to open a SQL script file in a new query tab

Choose my_guitar_shop1.sql file

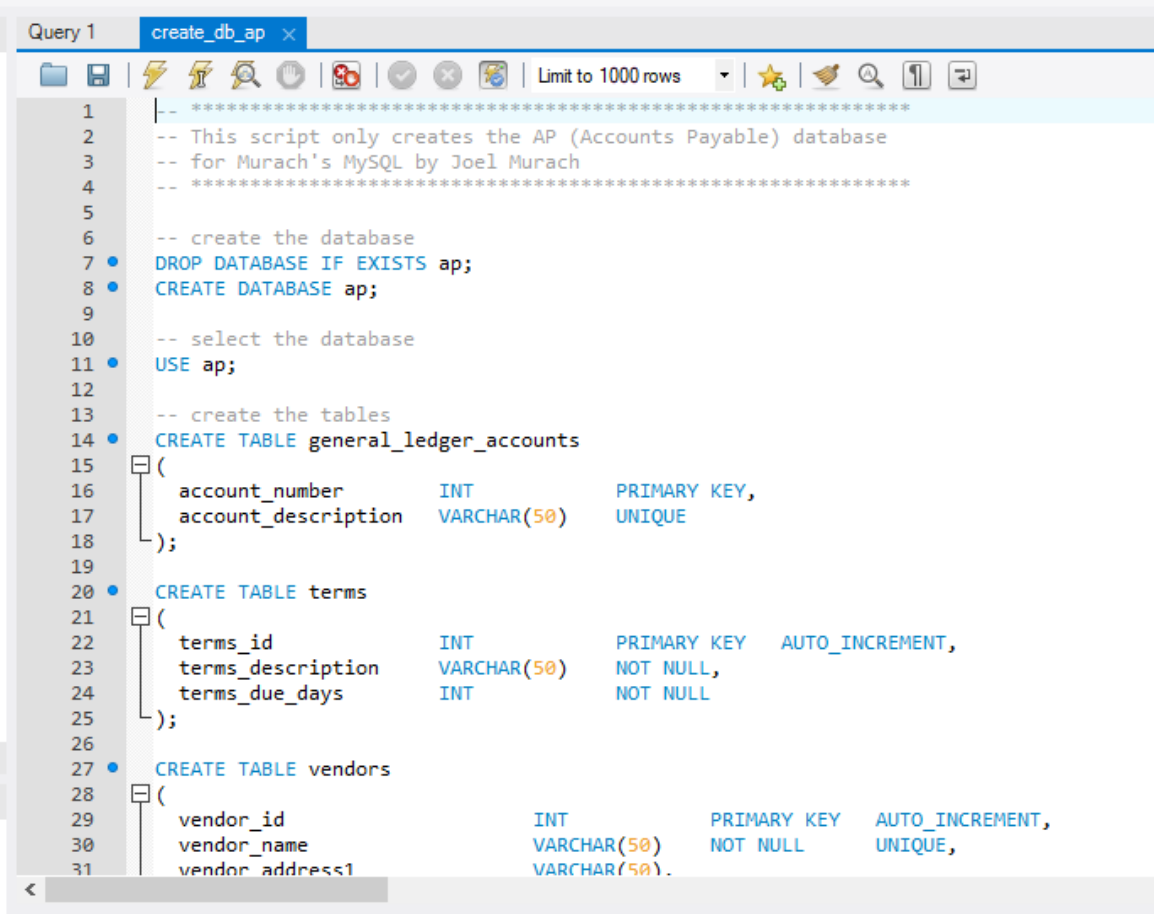
```sql
-- create and select the database
DROP DATABASE IF EXISTS my_guitar_shop1;
CREATE DATABASE my_guitar_shop1;
USE my_guitar_shop1;  -- MySQL command

-- create the tables
CREATE TABLE categories (
  categoryID       INT(11)        NOT NULL   AUTO_INCREMENT,
  categoryName     VARCHAR(255)   NOT NULL,
  PRIMARY KEY (categoryID)
);

CREATE TABLE products (
  productID        INT(11)        NOT NULL   AUTO_INCREMENT,
  categoryID       INT(11)        NOT NULL,
  productCode      VARCHAR(10)    NOT NULL   UNIQUE,
  productName      VARCHAR(255)   NOT NULL,
  listPrice        DECIMAL(10,2)  NOT NULL,
  PRIMARY KEY (productID)
);

CREATE TABLE orders (
  orderID        INT(11)        NOT NULL   AUTO_INCREMENT,
  customerID     INT            NOT NULL,
  orderDate      DATETIME       NOT NULL,
  PRIMARY KEY (orderID)
);

-- insert data into the database
INSERT INTO categories VALUES
(1, 'Guitars'),
(2, 'Basses')
```

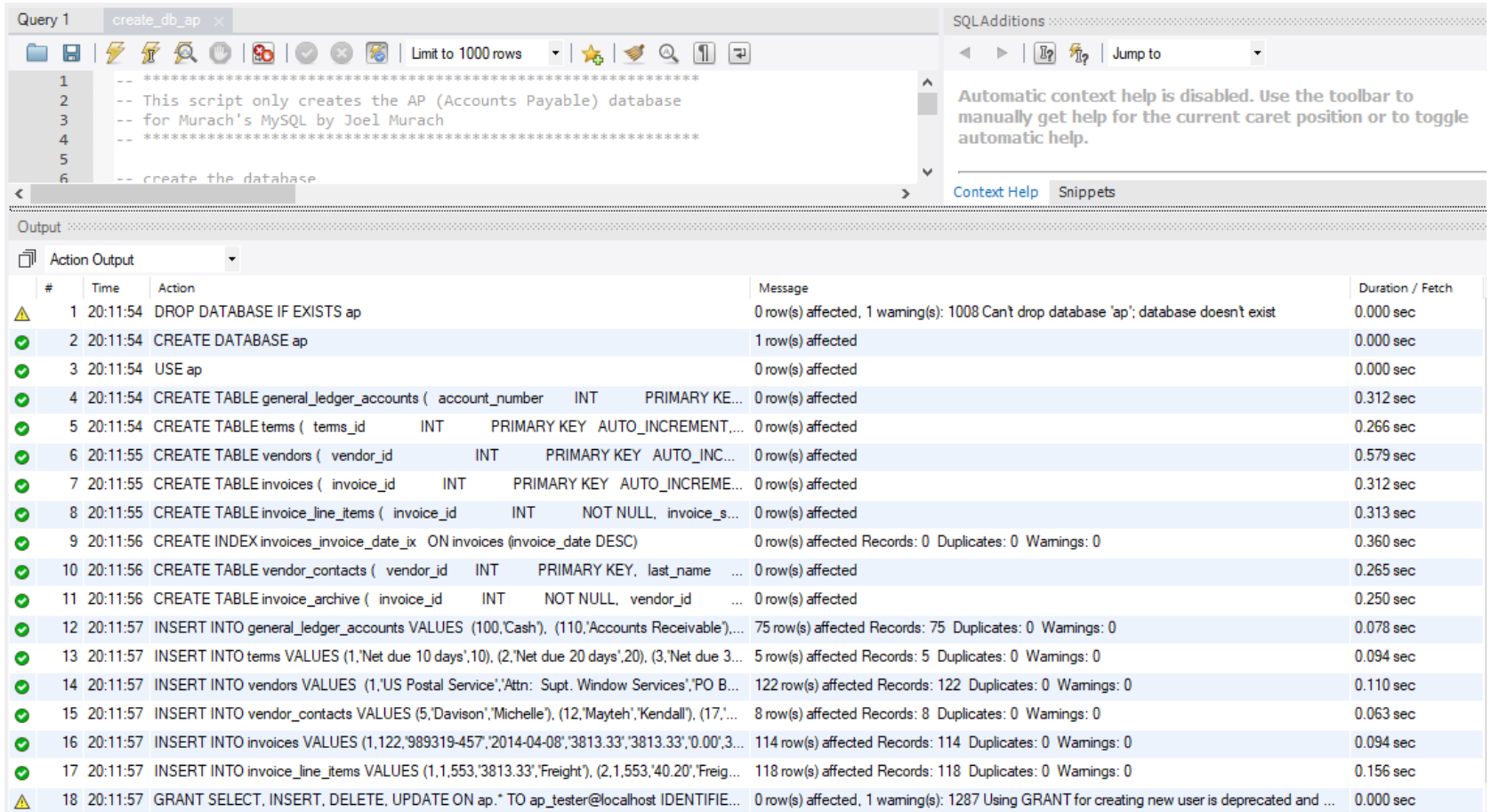
```
);

-- insert data into the database
INSERT INTO categories VALUES
(1, 'Guitars'),
(2, 'Basses'),
(3, 'Drums');

INSERT INTO products VALUES
(1, 1, 'strat', 'Fender Stratocaster', '699.00'),
(2, 1, 'les_paul', 'Gibson Les Paul', '1199.00'),
(3, 1, 'sg', 'Gibson SG', '2517.00'),
(4, 1, 'fg700s', 'Yamaha FG700S', '489.99'),
(5, 1, 'washburn', 'Washburn D10S', '299.00'),
(6, 1, 'rodriguez', 'Rodriguez Caballero 11', '415.00'),
(7, 2, 'precision', 'Fender Precision', '799.99'),
(8, 2, 'hofner', 'Hofner Icon', '499.99'),
(9, 3, 'ludwig', 'Ludwig 5-piece Drum Set with Cymbals', '699.99'),
(10, 3, 'tama', 'Tama 5-Piece Drum Set with Cymbals', '799.99');

-- create the users and grant priveleges to those users
GRANT SELECT, INSERT, DELETE, UPDATE
ON my_guitar_shop1.*
TO mgs_user@localhost
IDENTIFIED BY 'pa55word';

GRANT SELECT
ON products
TO mgs_tester@localhost
IDENTIFIED BY 'pa55word';

```

Click the lightning bolt to execute this script

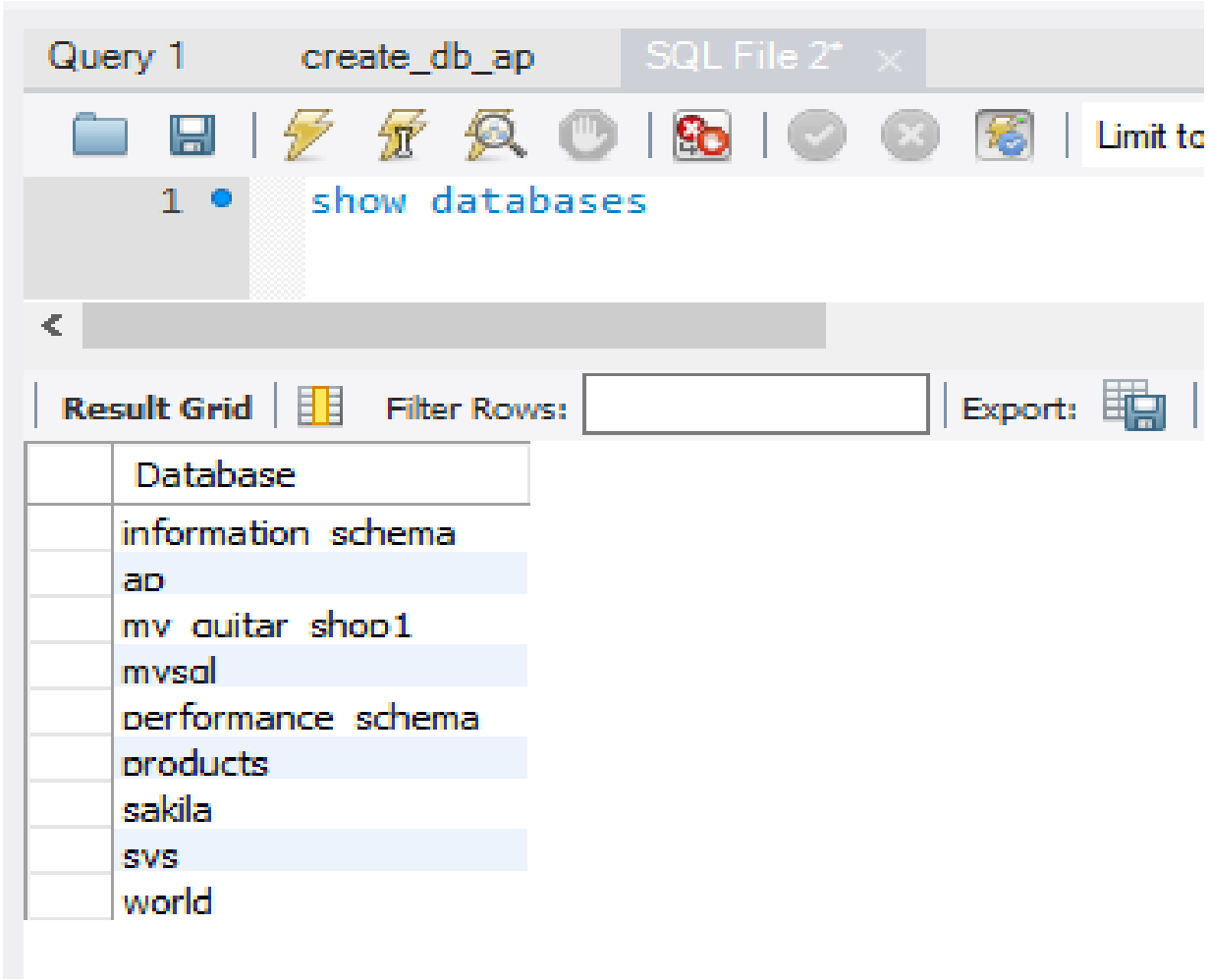
⚠	23	19:15:20	DROP DATABASE IF EXISTS my_guitar_shop1	0 row(s) affected, 1 warning(s): 1008 Can't drop database 'my_guitar_shop1'; database does...	0.000 sec
✔	24	19:15:20	CREATE DATABASE my_guitar_shop1	1 row(s) affected	0.000 sec
✔	25	19:15:20	USE my_guitar_shop1	0 row(s) affected	0.000 sec
✔	26	19:15:20	CREATE TABLE categories (categoryID INT(11) NOT NULL AUTO_INCREMEN...	0 row(s) affected	0.390 sec
✔	27	19:15:20	CREATE TABLE products (productID INT(11) NOT NULL AUTO_INCREMENT,...	0 row(s) affected	0.406 sec
✔	28	19:15:21	CREATE TABLE orders (orderID INT(11) NOT NULL AUTO_INCREMENT, cu...	0 row(s) affected	0.438 sec
✔	29	19:15:21	INSERT INTO categories VALUES (1, 'Guitars'), (2, 'Basses'), (3, 'Drums')	3 row(s) affected Records: 3 Duplicates: 0 Warnings: 0	0.031 sec
✔	30	19:15:21	INSERT INTO products VALUES (1, 1, 'strat', 'Fender Stratocaster', '699.00'), (2, 1, 'les_paul'...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.110 sec
⚠	31	19:15:21	GRANT SELECT, INSERT, DELETE, UPDATE ON my_guitar_shop1.* TO mgs_user@local...	0 row(s) affected, 1 warning(s): 1287 Using GRANT for creating new user is deprecated and ...	0.110 sec
⚠	32	19:15:21	GRANT SELECT ON products TO mgs_tester@localhost IDENTIFIED BY 'pa55word'	0 row(s) affected, 1 warning(s): 1287 Using GRANT for creating new user is deprecated and ...	0.016 sec

Now let's create another database ap (account payable) create_db_ap.sql from Murach MySql textbook. Retrieve from www.murach.com

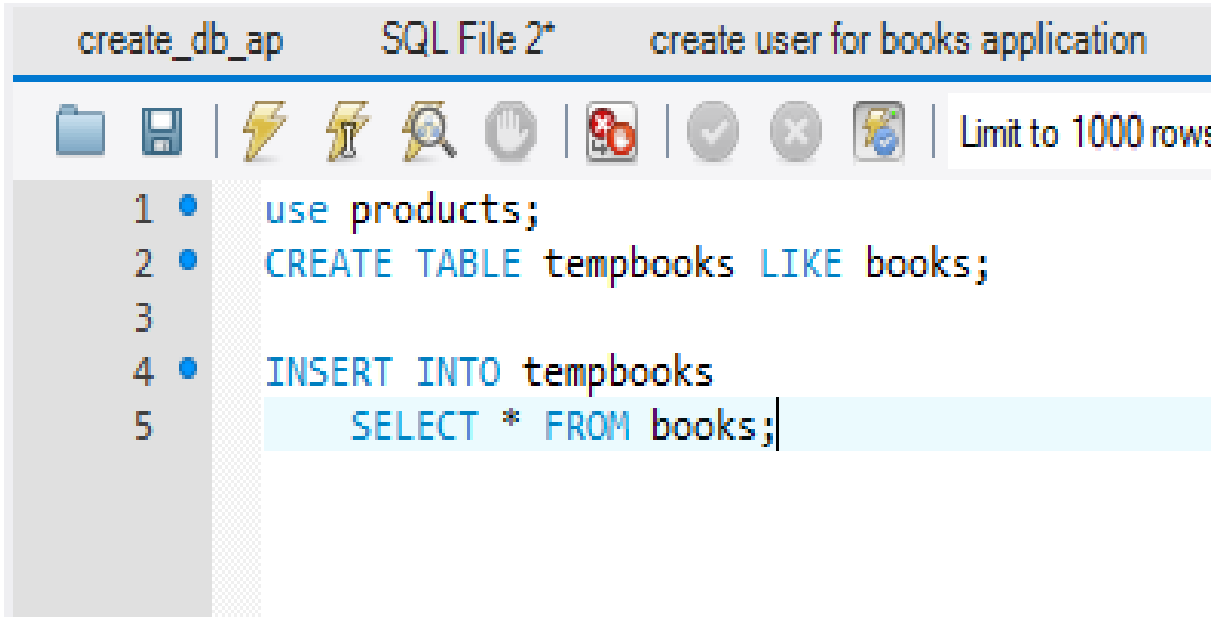


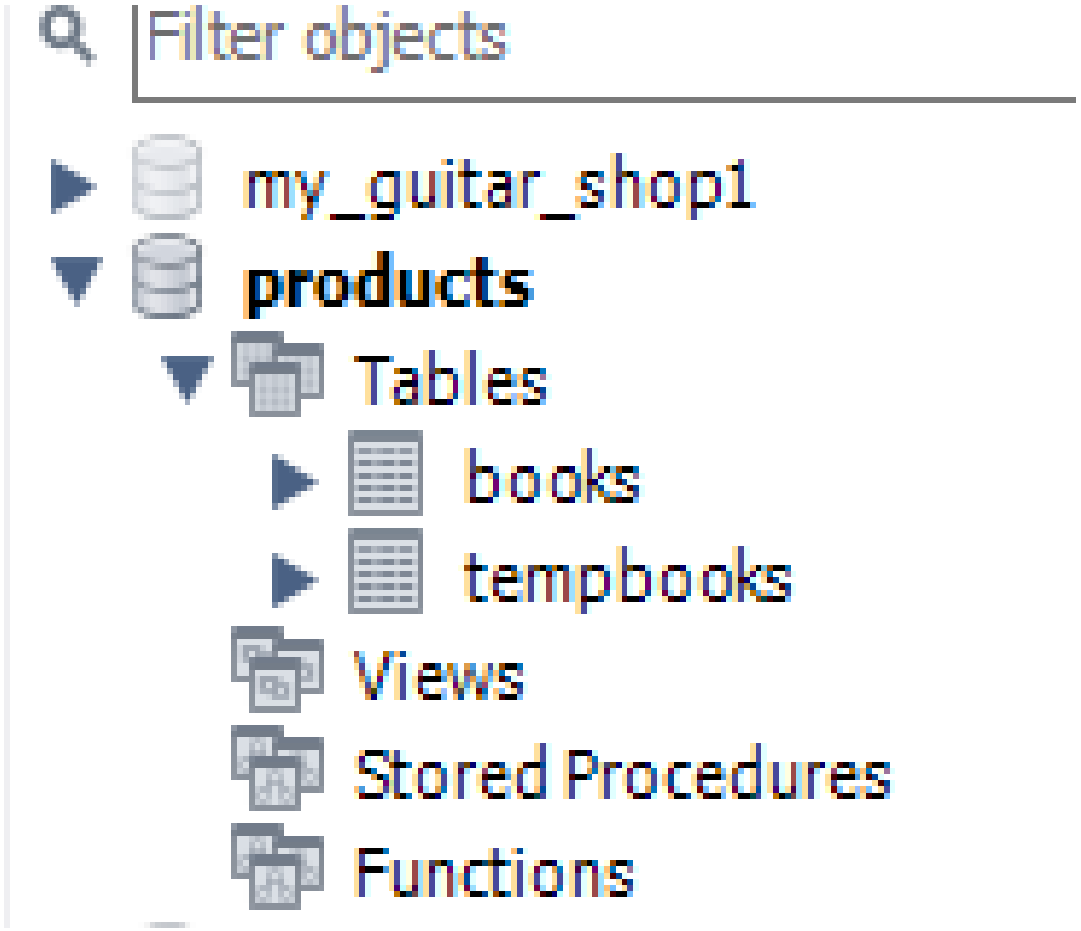

Query 1
create_db_ap
Limit to 1000 rows
1 -- **
2 -- This script only creates the AP (Accounts Payable) database
3 -- for Murach's MySQL by Joel Murach
4 -- **
5
6 -- create the database
SQLAdditions
Jump to
Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.
Context Help
Snippets
Output
Action Output
Time Action Message Duration / Fetch
1 20:11:54 DROP DATABASE IF EXISTS ap 0 row(s) affected, 1 warning(s): 1008 Can't drop database 'ap'; database doesn't exist 0.000 sec
2 20:11:54 CREATE DATABASE ap 1 row(s) affected 0.000 sec
3 20:11:54 USE ap 0 row(s) affected 0.000 sec
4 20:11:54 CREATE TABLE general_ledger_accounts (account_number INT PRIMARY KE... 0 row(s) affected 0.312 sec
5 20:11:54 CREATE TABLE terms (terms_id INT PRIMARY KEY AUTO_INCREMENT,... 0 row(s) affected 0.266 sec
6 20:11:55 CREATE TABLE vendors (vendor_id INT PRIMARY KEY AUTO_INC... 0 row(s) affected 0.579 sec
7 20:11:55 CREATE TABLE invoices (invoice_id INT PRIMARY KEY AUTO_INCREME... 0 row(s) affected 0.312 sec
8 20:11:55 CREATE TABLE invoice_line_items (invoice_id INT NOT NULL, invoice_s... 0 row(s) affected 0.313 sec
9 20:11:56 CREATE INDEX invoices_invoice_date_ix ON invoices (invoice_date DESC) 0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0 0.360 sec
10 20:11:56 CREATE TABLE vendor_contacts (vendor_id INT PRIMARY KEY, last_name ... 0 row(s) affected 0.265 sec
11 20:11:56 CREATE TABLE invoice_archive (invoice_id INT NOT NULL, vendor_id ... 0 row(s) affected 0.250 sec
12 20:11:57 INSERT INTO general_ledger_accounts VALUES (100,'Cash'), (110,'Accounts Receivable'),... 75 row(s) affected Records: 75 Duplicates: 0 Warnings: 0 0.078 sec
13 20:11:57 INSERT INTO terms VALUES (1,'Net due 10 days',10), (2,'Net due 20 days',20), (3,'Net due 3... 5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0 0.094 sec
14 20:11:57 INSERT INTO vendors VALUES (1,'US Postal Service','Attn: Supt. Window Services','PO B... 122 row(s) affected Records: 122 Duplicates: 0 Warnings: 0 0.110 sec
15 20:11:57 INSERT INTO vendor_contacts VALUES (5,'Davison','Michelle'), (12,'Mayteh','Kendall'), (17,'... 8 row(s) affected Records: 8 Duplicates: 0 Warnings: 0 0.063 sec
16 20:11:57 INSERT INTO invoices VALUES (1,122,'989319-457','2014-04-08','3813.33','3813.33','0.00',3... 114 row(s) affected Records: 114 Duplicates: 0 Warnings: 0 0.094 sec
17 20:11:57 INSERT INTO invoice_line_items VALUES (1,1,553,'3813.33','Freight'), (2,1,553,'40.20','Freig... 118 row(s) affected Records: 118 Duplicates: 0 Warnings: 0 0.156 sec
18 20:11:57 GRANT SELECT, INSERT, DELETE, UPDATE ON ap.* TO ap_tester@localhost IDENTIFIE... 0 row(s) affected, 1 warning(s): 1287 Using GRANT for creating new user is deprecated and ... 0.000 sec

Ap database is now on the database list



Duplicate a table to use: P11.py to create a similar table like books and call it tempbook



✓	22	20:52:00	use products	0 row(s) affected	0.000 sec
✓	23	20:52:00	CREATE TABLE tempbooks LIKE books	0 row(s) affected	3.562 sec
✓	24	20:52:04	INSERT INTO tempbooks SELECT * FROM books	7 row(s) affected Records: 7 Duplicates: 0 Warnings: 0	0.063 sec

Tempbooks is now created so that we can use it for insert delete and update practices