

Programming PHP

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PHP Topics

General Discussions

Re-cap of Database courses

Intro about phpMyAdmin

Creating a database in PHPMyAdmin

Connecting to the database using PHP

- Creating records
- Reading information
- Update records
- Deleting record

Practice / Classroom coding

phpMyAdmin

phpMyAdmin is one the most popular, free and open source administration tool which can manage MySQL and MariaDB.

phpMyAdmin can be used to do useful functions like managing databases, tables, relations, indexes, and user permissions using its web-based user interface.

It also support a query interface, where user can type SQL commands and run.

phpMyAdmin

http://localhost:9080/

Username: root

Pass: lionPass



The image shows the phpMyAdmin login page. At the top, there is a logo of a sailboat with the text "phpMyAdmin" in blue and orange, and "Welcome to phpMyAdmin" below it. Below the logo, there is a "Language" dropdown menu with "English" selected. Below that, there is a "Log in" button with a question mark icon. Under the "Log in" button, there are two input fields: "Username:" with the value "root" and "Password:" with a masked password ".....". At the bottom right, there is a "Go" button.

phpMyAdmin
Welcome to phpMyAdmin

Language
English

Log in ?

Username: root

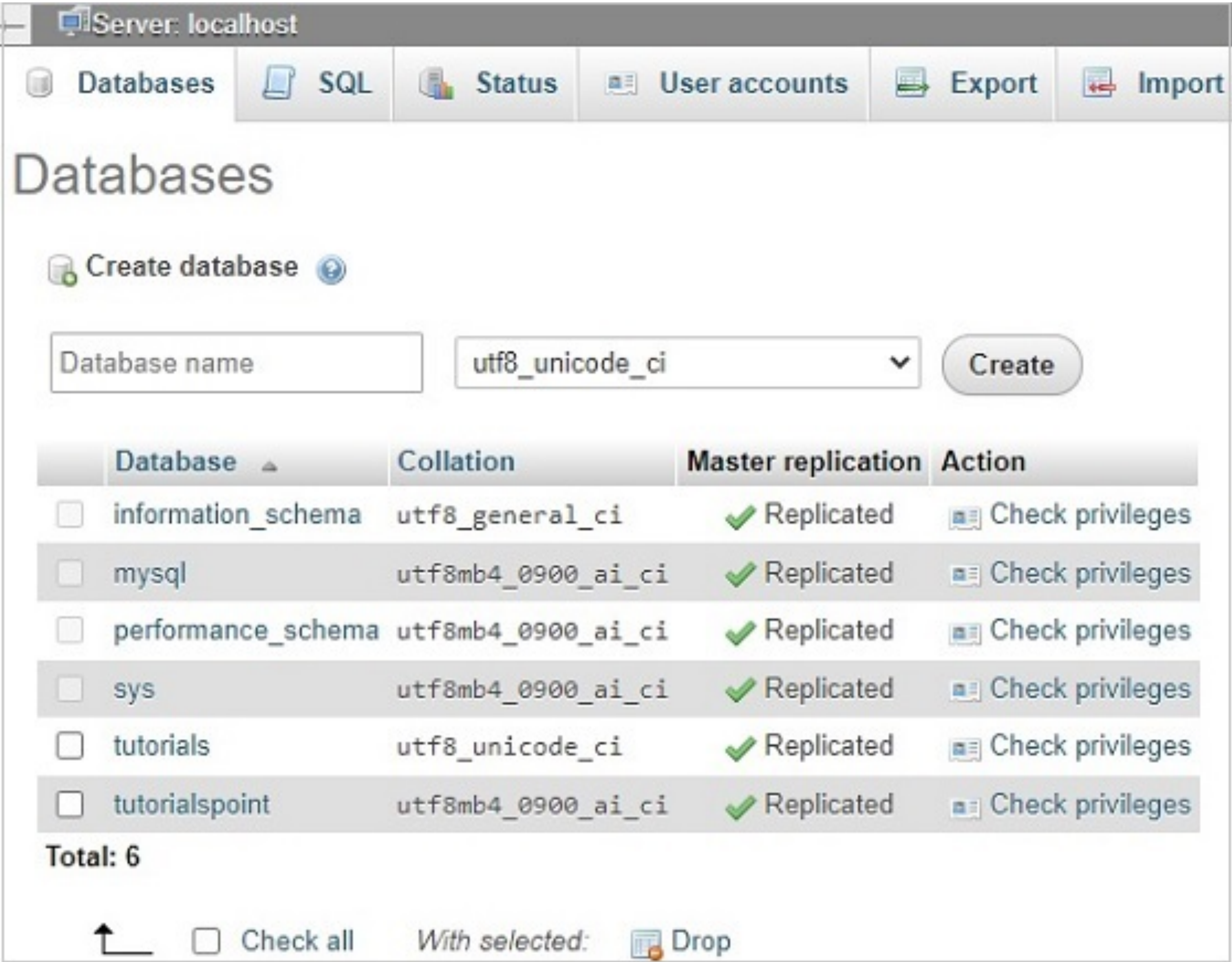
Password:

Go

phpMyAdmin

Click on **Database Tab**, to see the list of databases with more details.

We can create databases, iterate databases and do other operations here.



phpMyAdmin

Create a database

- Insert the name of the database
- Click on the “create” button

Server: localhost

Databases SQL Status User accounts Export Import

Databases

Create database ?

Database name utf8_unicode_ci

	Database ▲	Collation	Master replication	Action
<input type="checkbox"/>	information_schema	utf8_general_ci	✓ Replicated	Check privileges
<input type="checkbox"/>	mysql	utf8mb4_0900_ai_ci	✓ Replicated	Check privileges
<input type="checkbox"/>	performance_schema	utf8mb4_0900_ai_ci	✓ Replicated	Check privileges
<input type="checkbox"/>	sys	utf8mb4_0900_ai_ci	✓ Replicated	Check privileges
<input type="checkbox"/>	tutorials	utf8_unicode_ci	✓ Replicated	Check privileges
<input type="checkbox"/>	tutorialspoint	utf8mb4_0900_ai_ci	✓ Replicated	Check privileges

Total: 6

↑ ☐ Check all With selected: Drop

phpMyAdmin

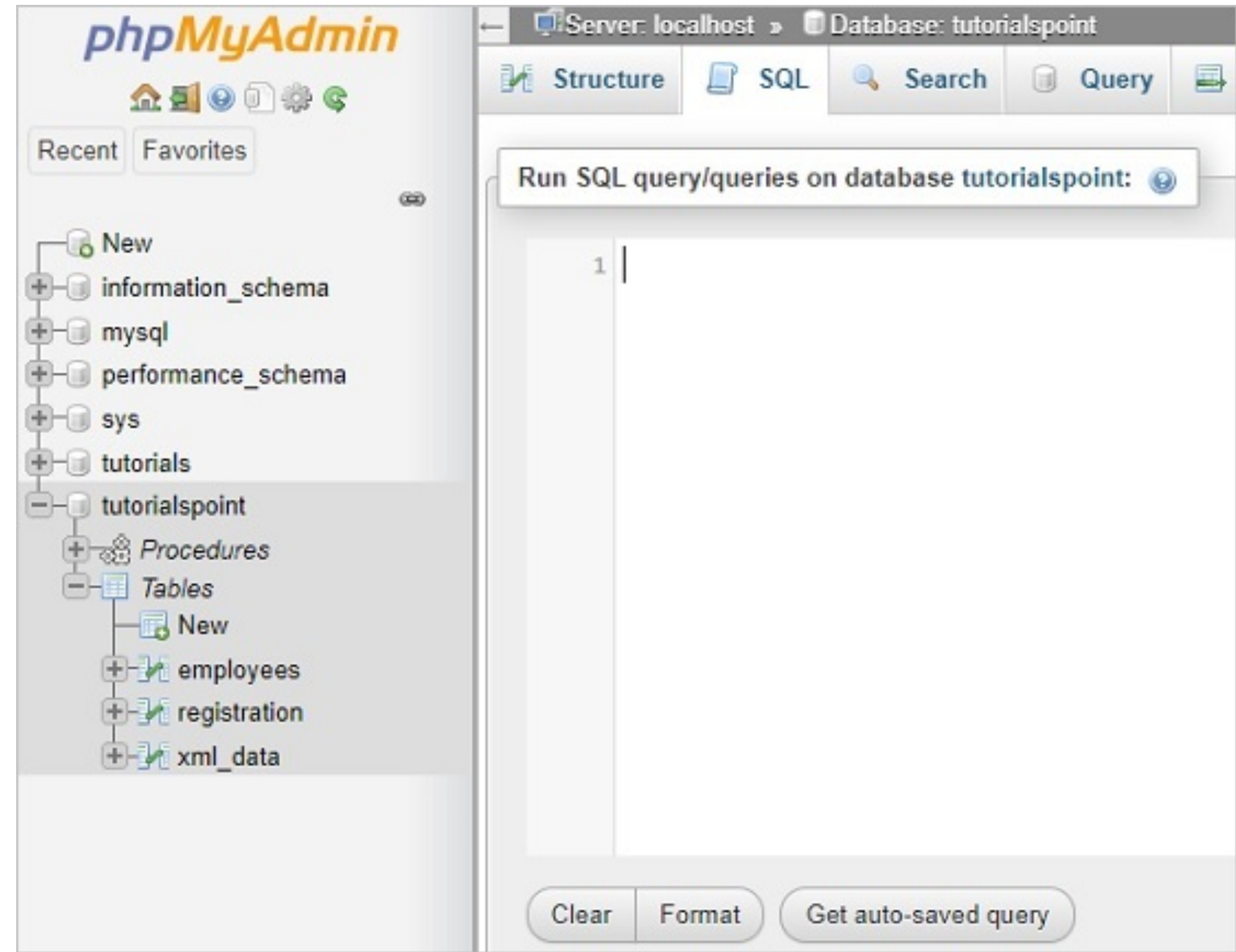
phpMyAdmin provides a SQL console under SQL Tab.

Create a database using SQL tab

CREATE DATABASE exampleDatabase;

Press **Go** button

Once created, you can **DROP** the database



phpMyAdmin

Create a database using SQL tab

CREATE DATABASE loginapp;

Press **Go** button

Select **loginapp** db

Create a table with 3 columns and press Go

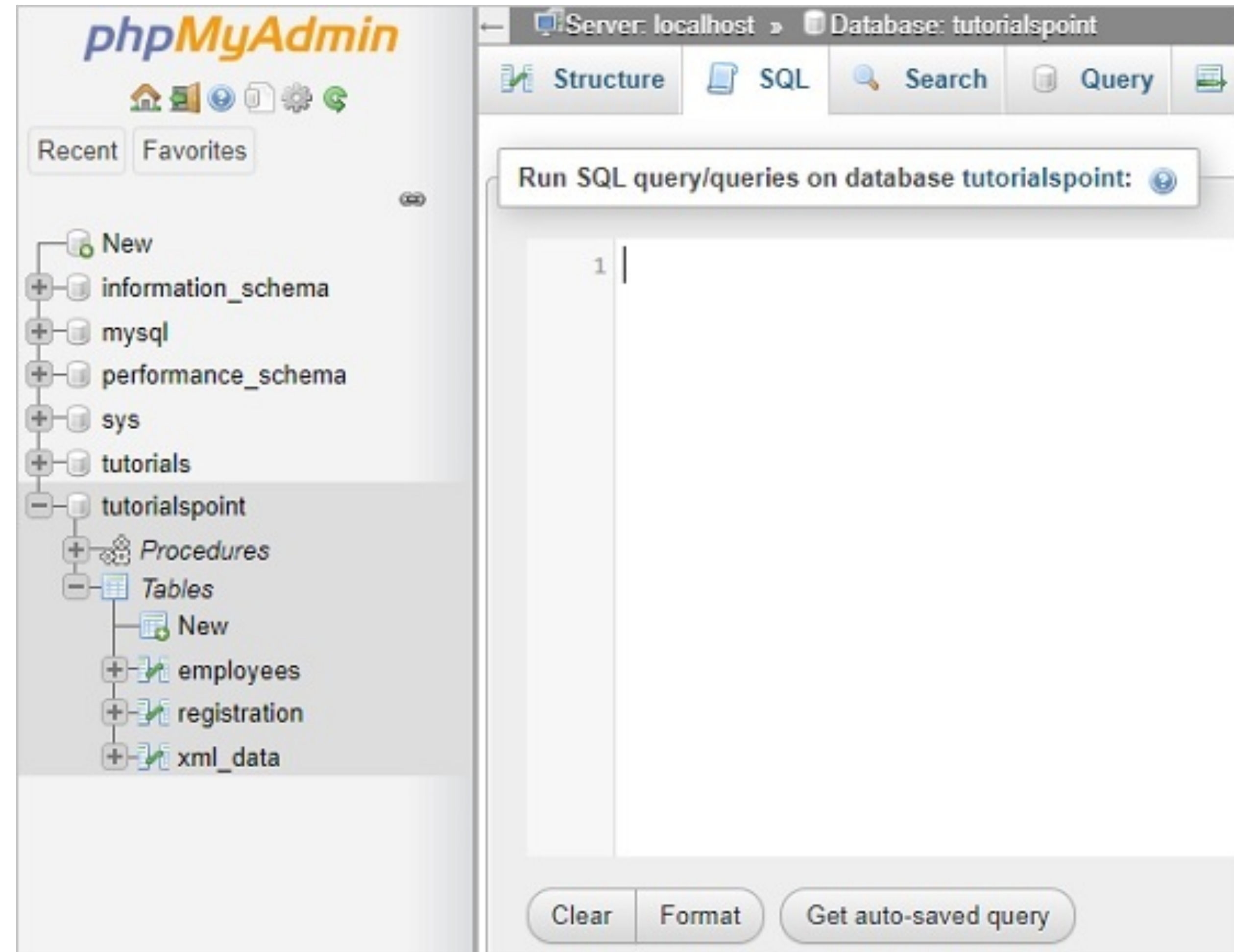
Table name: users, #columns: 3

id, username and password

id - auto increment, type: INT

username - type: VARCHAR

password - type: VARCHAR



Adding data to a database

- Select a loginapp db
- Click on “Insert” tab
- You can insert some data under
- username “James”
- Password “superman”
- Click on Go
- You can now browse the database of “users”

Alternatively, you can also do that with SQL tab query for example like this:

```
INSERT INTO `Users` (`id`, `username`, `password`) VALUES  
(NULL, 'james', 'superman');
```

Importing data to a database

Create a database using SQL tab

```
CREATE DATABASE phppractice;
```

Press Go button

Select the database phppractice by clicking on it

Import the db file phpdb.sql from practice folder
using IMPORT tab

Once imported the data, look at the tables that have
been created and explore contents and structure

PHP Simple CRUD

Let us look into

- Creating new records inside the database
- Reading records from the database
- Updating existing records inside database
- Deleting the records from database

Practice / Classroom Coding

- **PHP_practice01/07.php:**
 - Create a database
 - Create a table as shown earlier
 - Insert some data
 - Connect to DB and read some some data