Programming PHP

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PHP Topics

General Discussions

PHP Reflection Quiz

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

phpMyAdmin

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

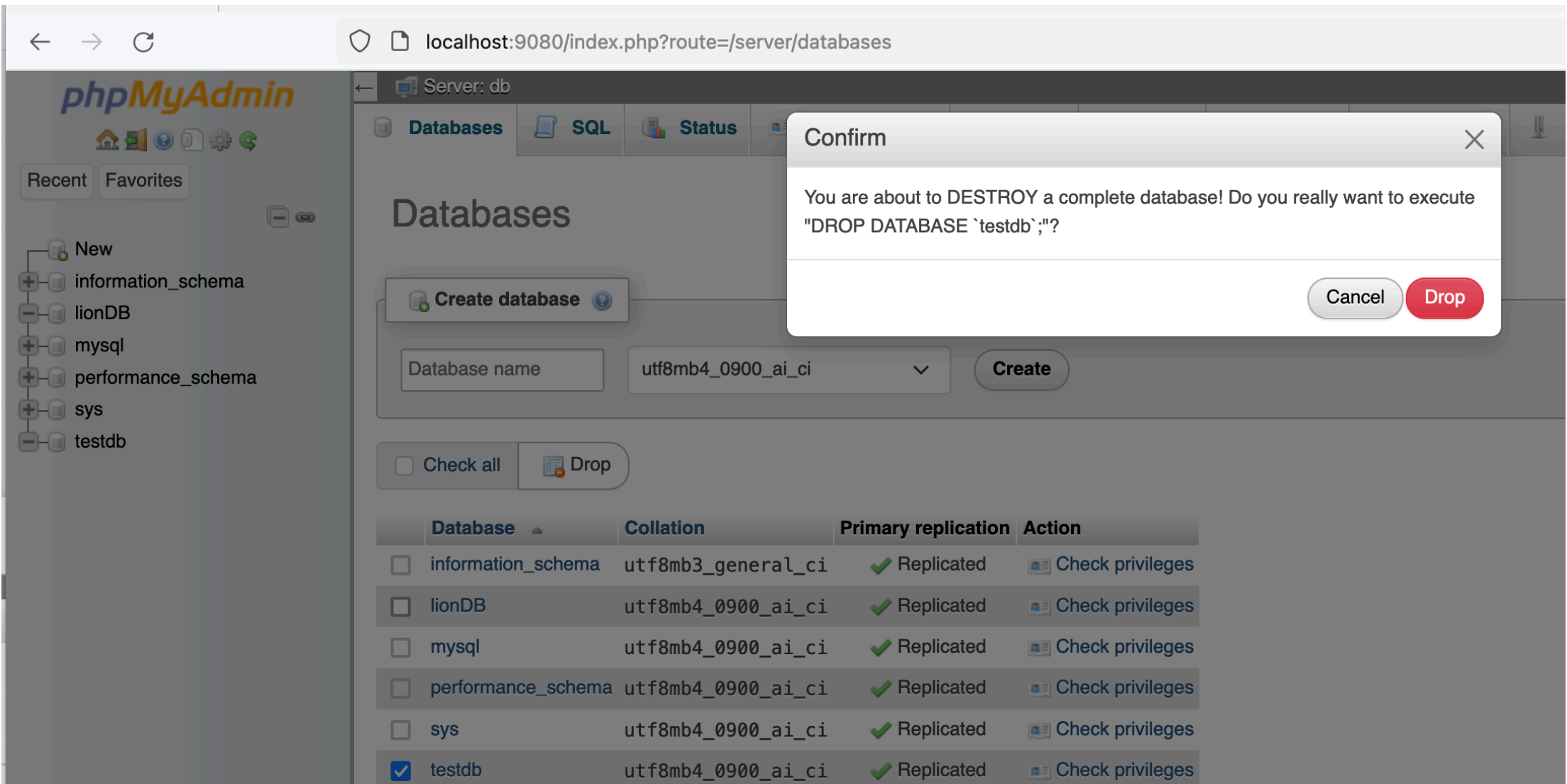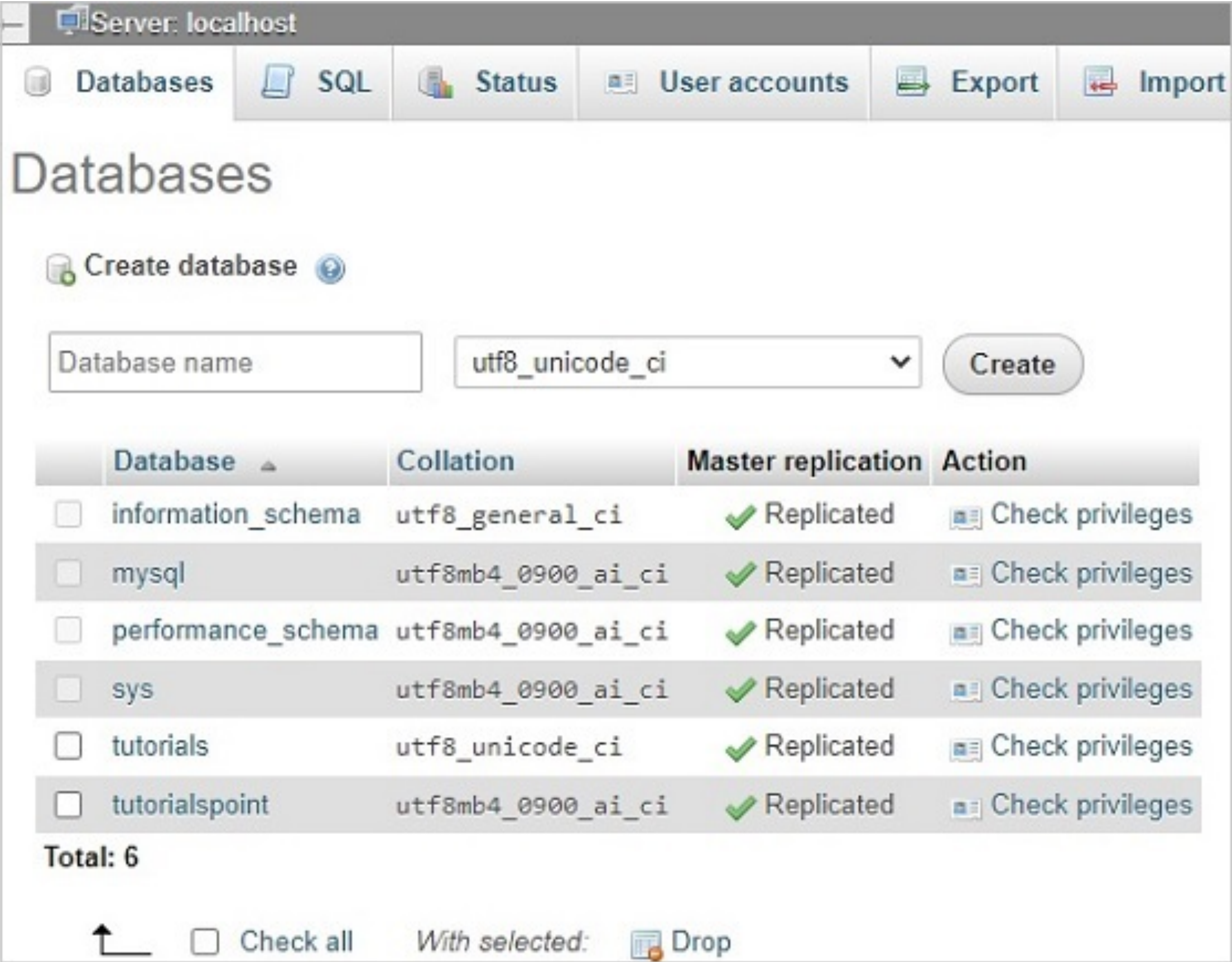We can create databases, iterate databases and do other operations here.

phpMyAdmin

Create a database

- Insert the name of the database
- Click on the "create" button

Example:

- Create a db e.g. "testdb"
- And drop the db

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
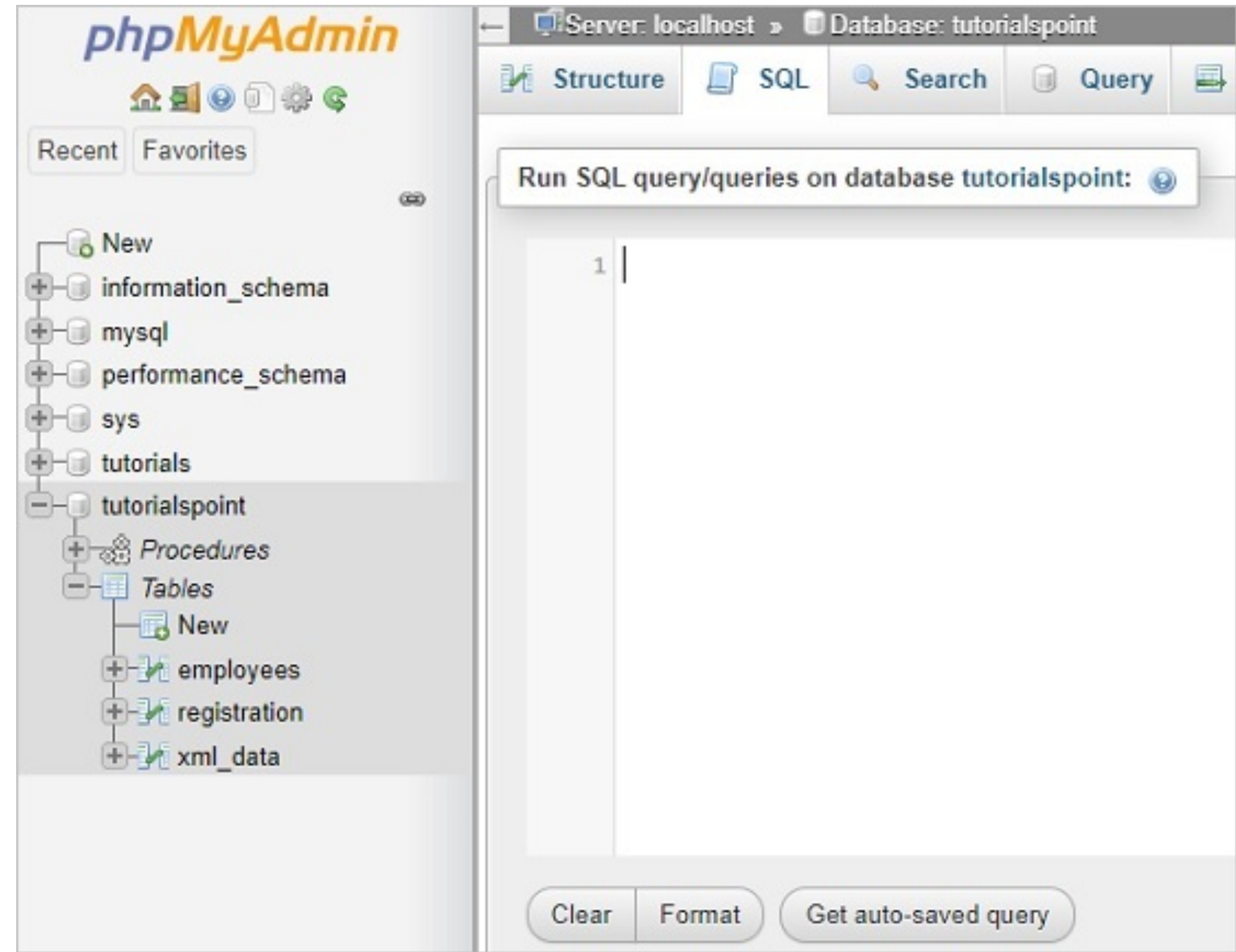
phpMyAdmin

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

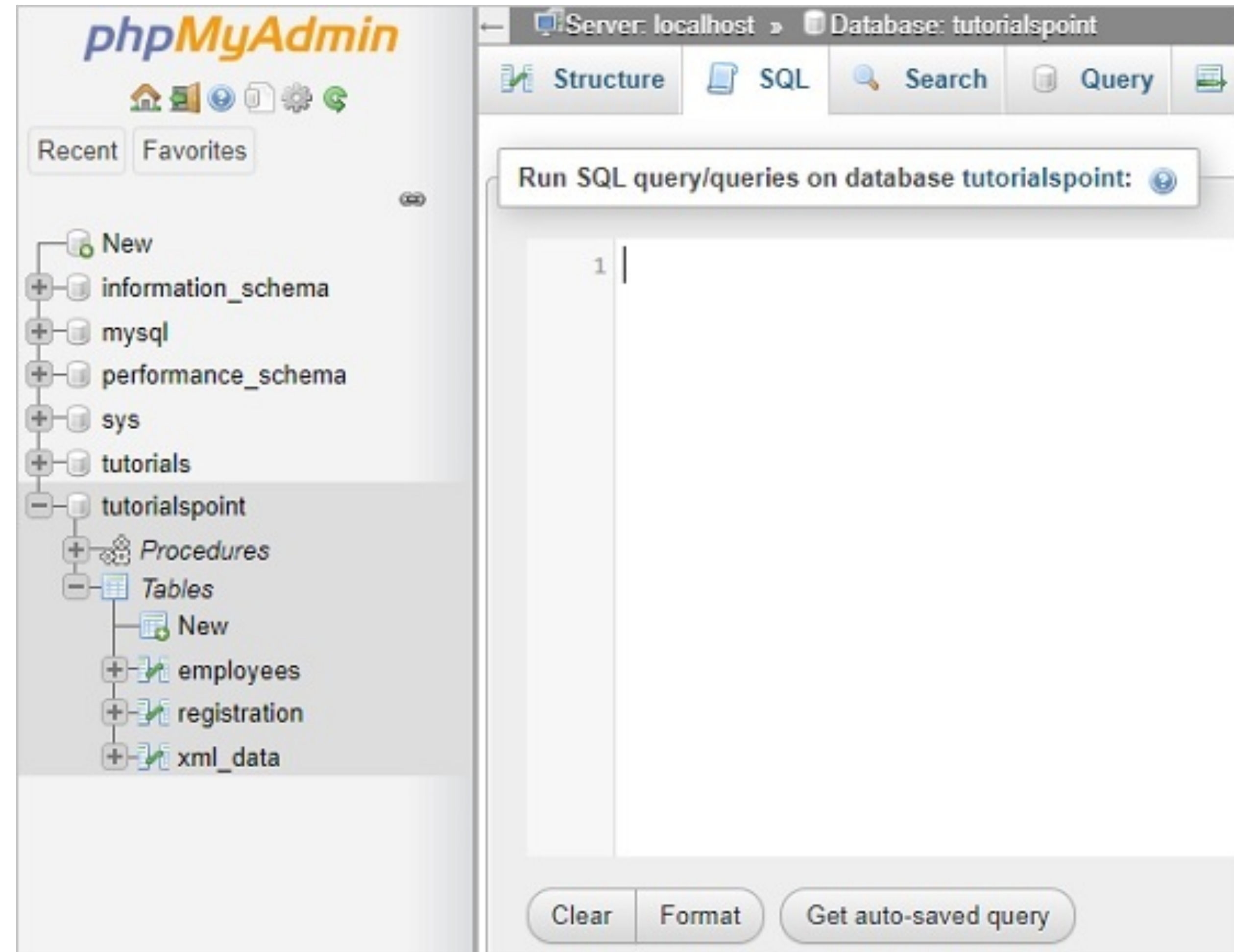## Adding data to a database

- 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 in phpMyAdmin

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**:

  - Go to phpMyAdmin, create a db name e.g. mylist
  - Insert columns in table name "reports"
  - Columns name could be e.g. id, days_of_the_weeks, months
  - Insert some data
  - Connect to DB and *read* some data