

PHP

Manage Database with PhpMyAdmin

MySQL is an open-source relational database management system (RDBMS). MySQL is a popular choice of database for use in web applications.

phpMyAdmin is a free and open source tool written in PHP intended to handle the administration of MySQL with the use of a web browser.

In the following examples, we will see how easy we can handle MySQL with PhpMyAdmin.

Step 1: run XAMPP application with MySQL

XAMPP Control Panel v3.2.2 [Compiled: Nov 12th 2015]

XAMPP Control Panel v3.2.2

Modules

Service	Module	PID(s)	Port(s)	Actions
<input type="checkbox"/>	Apache	12032 1736	80, 443	Stop Admin Config Logs
<input type="checkbox"/>	MySQL	9380	3306	Stop Admin Config Logs
<input type="checkbox"/>	FileZilla			Start Admin Config Logs
<input type="checkbox"/>	Mercury			Start Admin Config Logs
<input type="checkbox"/>	Tomcat			Start Admin Config Logs

Config Netstat Shell Explorer Services Help Quit

12:01:19 PM [main] All prerequisites found
12:01:19 PM [main] Initializing Modules
12:01:19 PM [main] Starting Check-Timer
12:01:19 PM [main] Control Panel Ready
12:01:26 PM [Apache] Attempting to start Apache app...
12:01:26 PM [Apache] Status change detected: running
12:01:27 PM [mysql] Attempting to start MySQL app...
12:01:27 PM [mysql] Status change detected: running

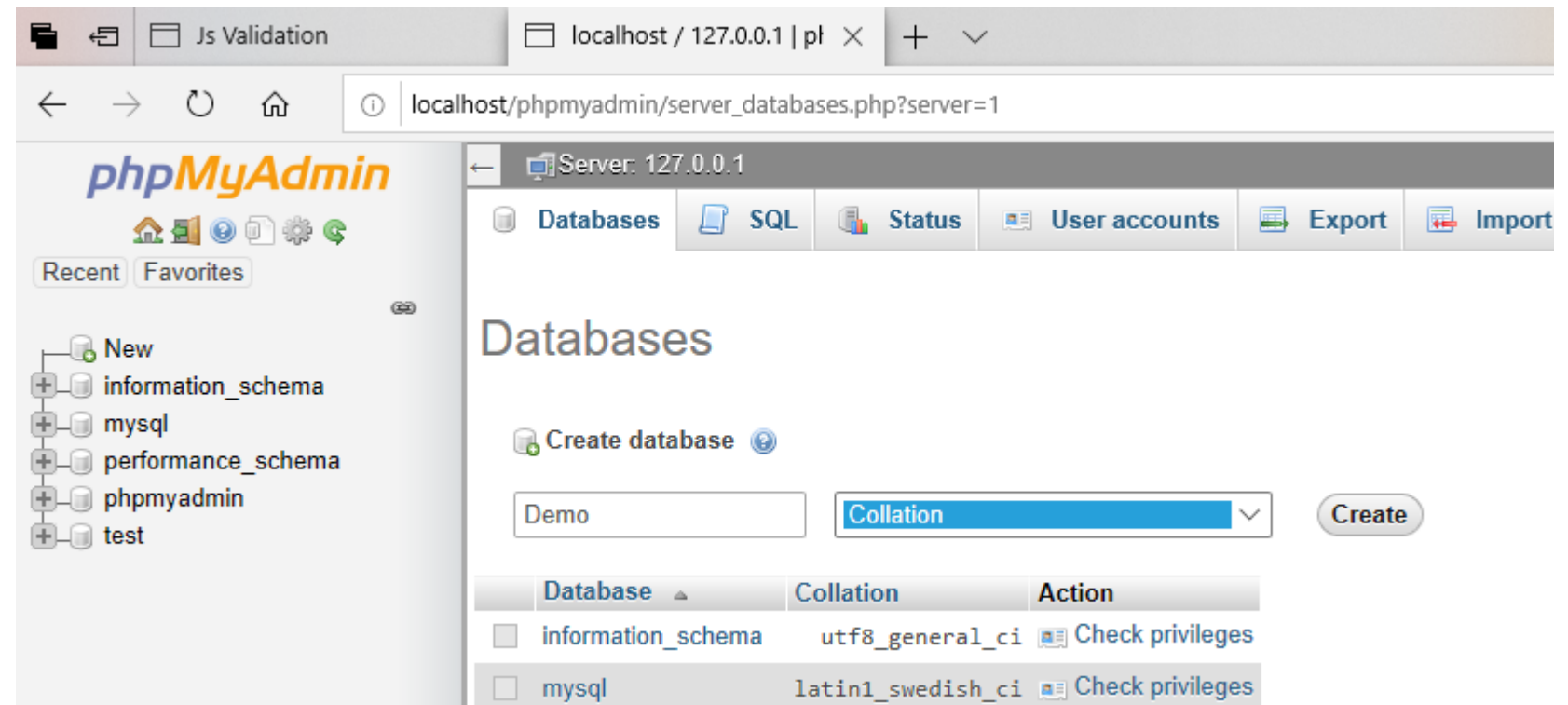
Step 2: Create a Database

Go to <http://localhost/phpmyadmin/>

Click the "New" link on the upper left corner (under recent tables)

Fill out the "Database Name" field with "my_first_database". // I used Demo

Click the "Create" button

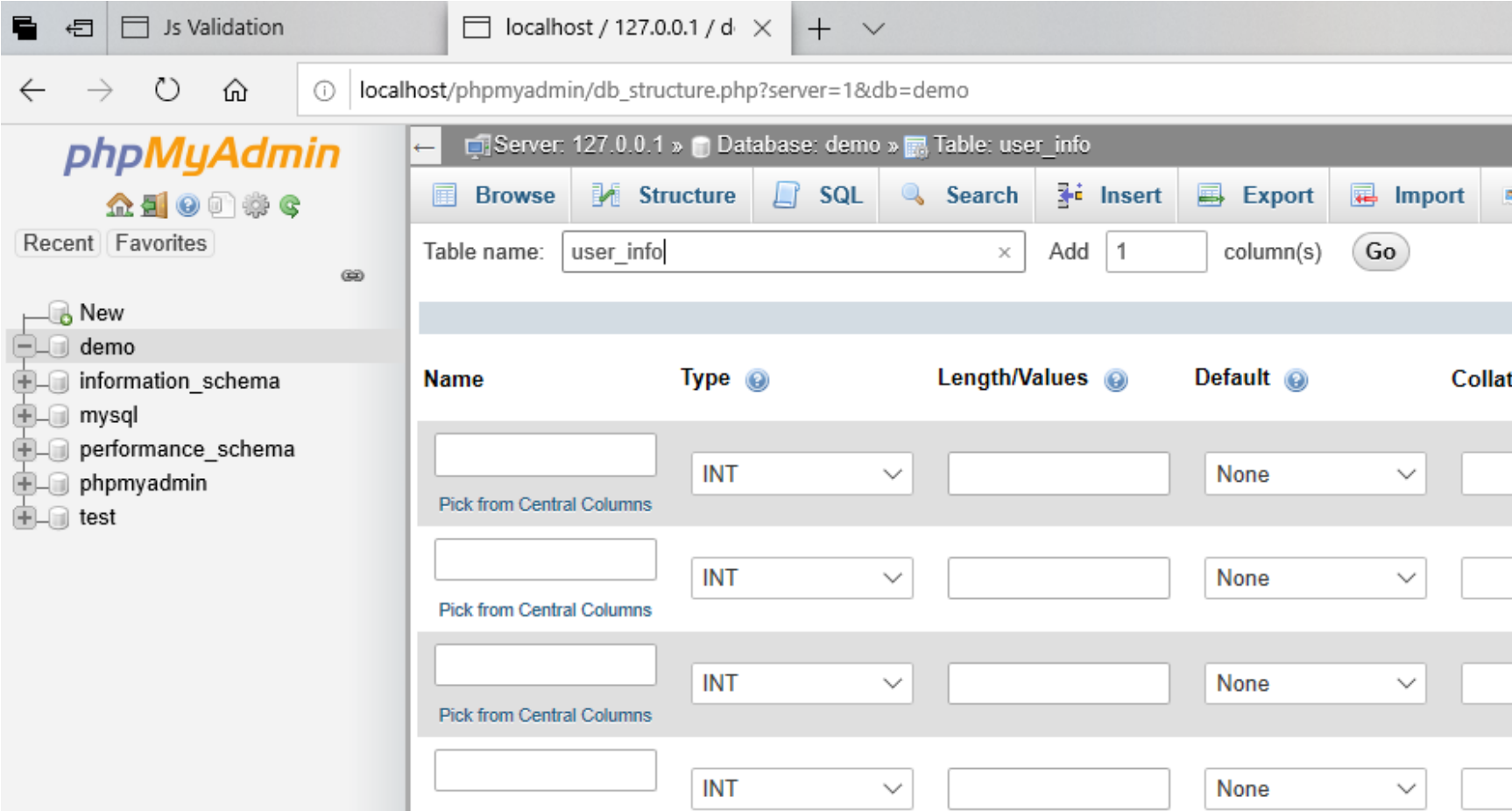


Step 3: Create a Table

Click "my_first_database" on the left side of the screen. *// in my case its Demo*

On the "Create Table" section, fill out the Name with "user_info" and Number of Columns with "4"

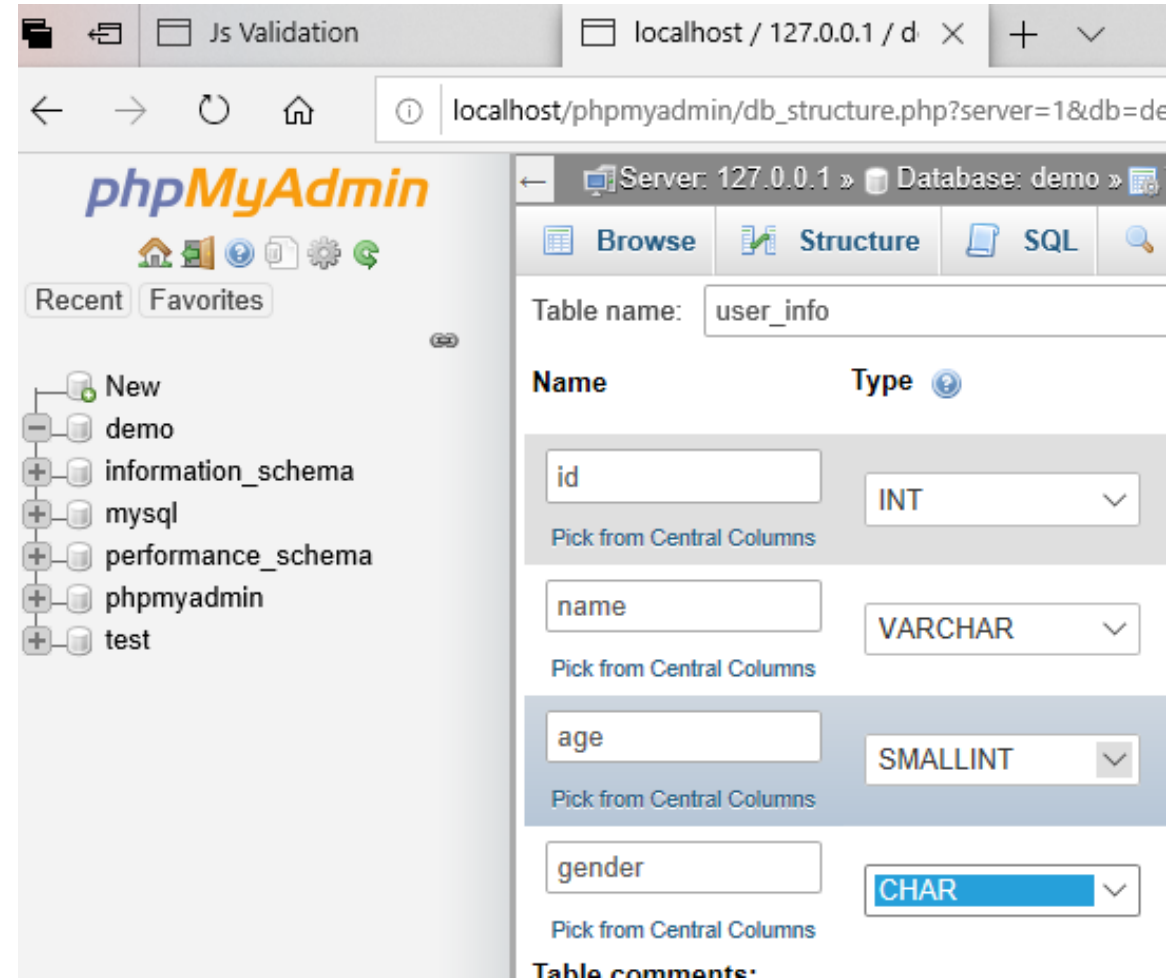
Click "Go" button



Step 4: complete the table schema

Fill out the fields with id, name, age and gender etc.

Click the "Save" button



The screenshot shows the phpMyAdmin web interface. The left sidebar displays a tree view of databases: New, demo, information_schema, mysql, performance_schema, phpmyadmin, and test. The main panel shows the 'Structure' tab for the 'demo' database. The 'Table name' is 'user_info'. Below this, the table structure is defined with four columns:

Name	Type
id	INT
name	VARCHAR
age	SMALLINT
gender	CHAR

Each row includes a 'Pick from Central Columns' link. At the bottom, there is a 'Table comments' field.

Js Validation localhost / 127.0.0.1 / d

localhost/phpmyadmin/db_structure.php?server=1&db=demo&table=user_info

phpMyAdmin

Recent Favorites

Server: 127.0.0.1 » Database: demo » Table: user_info

Browse Structure SQL Search Insert Export Import Privileges Operations

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	id	int(11)			No	None			Change Drop More
<input type="checkbox"/> 2	name	varchar(20)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/> 3	age	smallint(6)			No	None			Change Drop More
<input type="checkbox"/> 4	gender	char(1)	latin1_swedish_ci		No	None			Change Drop More

☐ Check all
 With selected:
 Browse
 Change
 Drop
 Primary
 Unique
 Index
 Fulltext

Remove from central columns

step 5: Insert Data

Click the “user_info” table. From the left pane, then click on “insert” tab, fill all the values and clock “Go”

The screenshot shows the phpMyAdmin interface. On the left, the database structure is displayed with the 'user_info' table selected. The main area shows the 'insert' tab for the 'user_info' table. The table structure is as follows:

Column	Type	Function	Null	Value
id	int(11)			1
name	varchar(20)			james
age	smallint(6)			32
gender	char(1)			M

Below the table structure, there is a 'Go' button. Below the 'Go' button, there is an 'Ignore' checkbox. Below the 'Ignore' checkbox, the table structure is repeated with the following values:

Column	Type	Function	Null	Value
id	int(11)			2
name	varchar(20)			mary
age	smallint(6)			21
gender	char(1)			F

At the bottom right of the form, there is a 'Go' button.

Js Validation localhost / 127.0.0.1 / d

localhost/phpmyadmin/sql.php?server=1&db=demo&table=user_info&pos=0

phpMyAdmin

Recent Favorites

- New
- demo
 - New
 - user_info
- information_schema
- mysql
- performance_schema
- phpmyadmin
- test

Server: 127.0.0.1 » Database: demo » Table: user_info

Browse Structure SQL Search Insert Export

✓ Showing rows 0 - 1 (2 total, Query took 0.0017 seconds.)

```
SELECT * FROM `user_info`
```

☐ Show all | Number of rows: 25 Filter rows: Search this table

+ Options

				id	name	age	gender
<input type="checkbox"/>	Edit	Copy	Delete	1	james	32	M
<input type="checkbox"/>	Edit	Copy	Delete	2	mary	21	F

☐ Check all With selected: Edit Copy Delete Export