Professional Diploma in Commercial Web Design

Lesson 10

MySQL

By Raymond Tsang in Fevaworks

Agenda

- PhpMyAdmin
- CRUD

Console

yoichiro@127.0.0.1:3306>
show processlist
+------+---------+-----------------+------+---------+------+-------+-----------------+
| Id | User | Host | db | Command | Time | State | Info |
+------+---------+-----------------+------+---------+------+-------+-----------------+
| 1474 | yoichiro | localhost:53247 | mysql | Sleep | 20925 | | NULL |
| 1475 | yoichiro | localhost:53743 | mysql | Query | 0 | NULL | show processlist |
+------+---------+-----------------+------+---------+------+-------+-----------------+
2 rows in set
yoichiro@127.0.0.1:3306>
explain select * from db
+----+-------------+-------+------+---------------+------+---------+------+------+-------+
| id | select_type | table | type | possible_keys | key | key_len | ref | rows | Extra |
+----+-------------+-------+------+---------------+------+---------+------+------+-------+
| 1 | SIMPLE | db | ALL | NULL | NULL | NULL | NULL | 2 | |
+----+-------------+-------+------+---------------+------+---------+------+------+-------+
1 rows in set
yoichiro@127.0.0.1:3306>
select * from db
2 rows in set
Please input command or query ('help' for more information).

No more console

- Hard to learn all syntax
- Typing error
- Hard to edit
- Screen size limit
- Not a real life usage

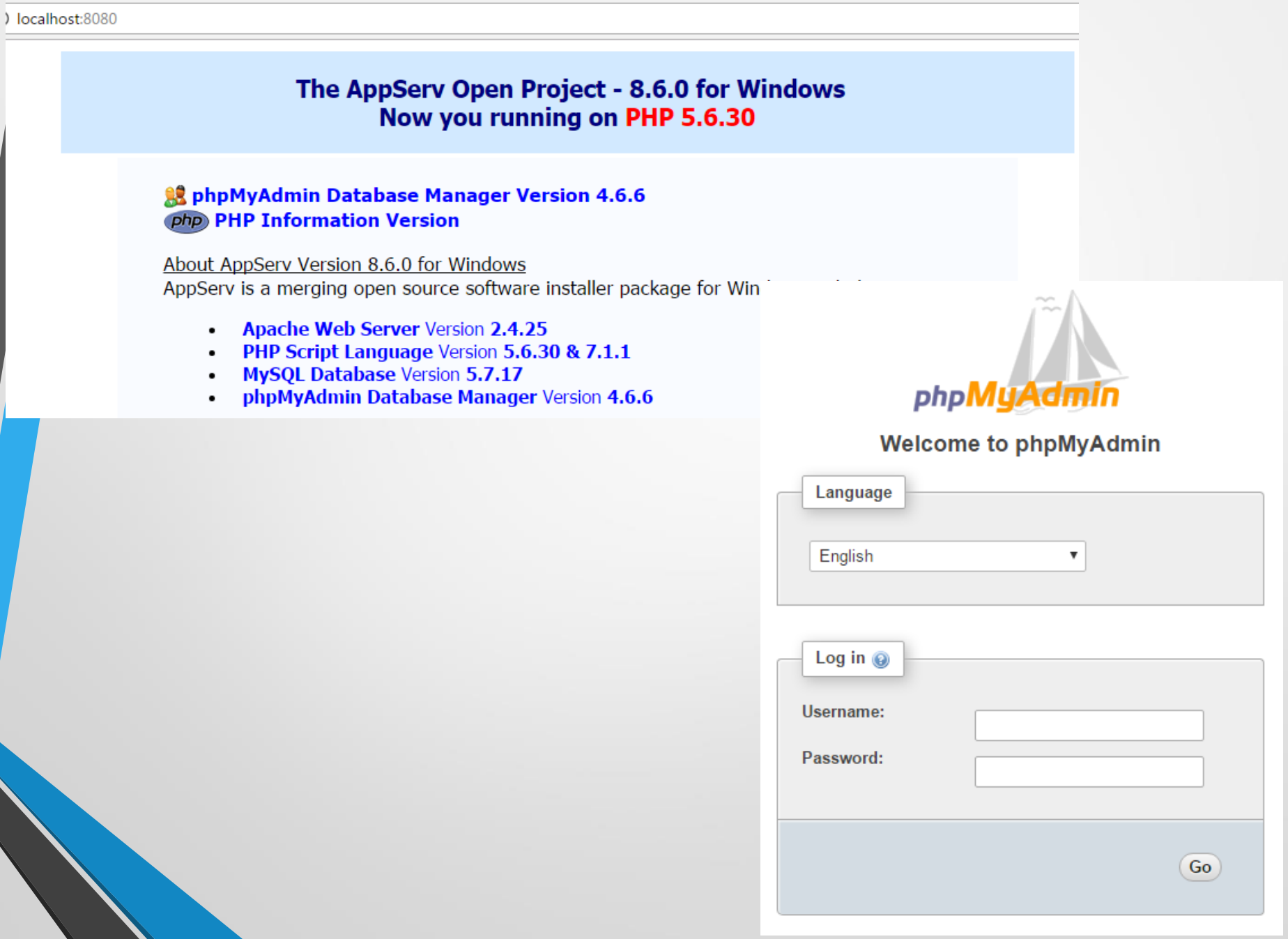
PhpMyAdmin

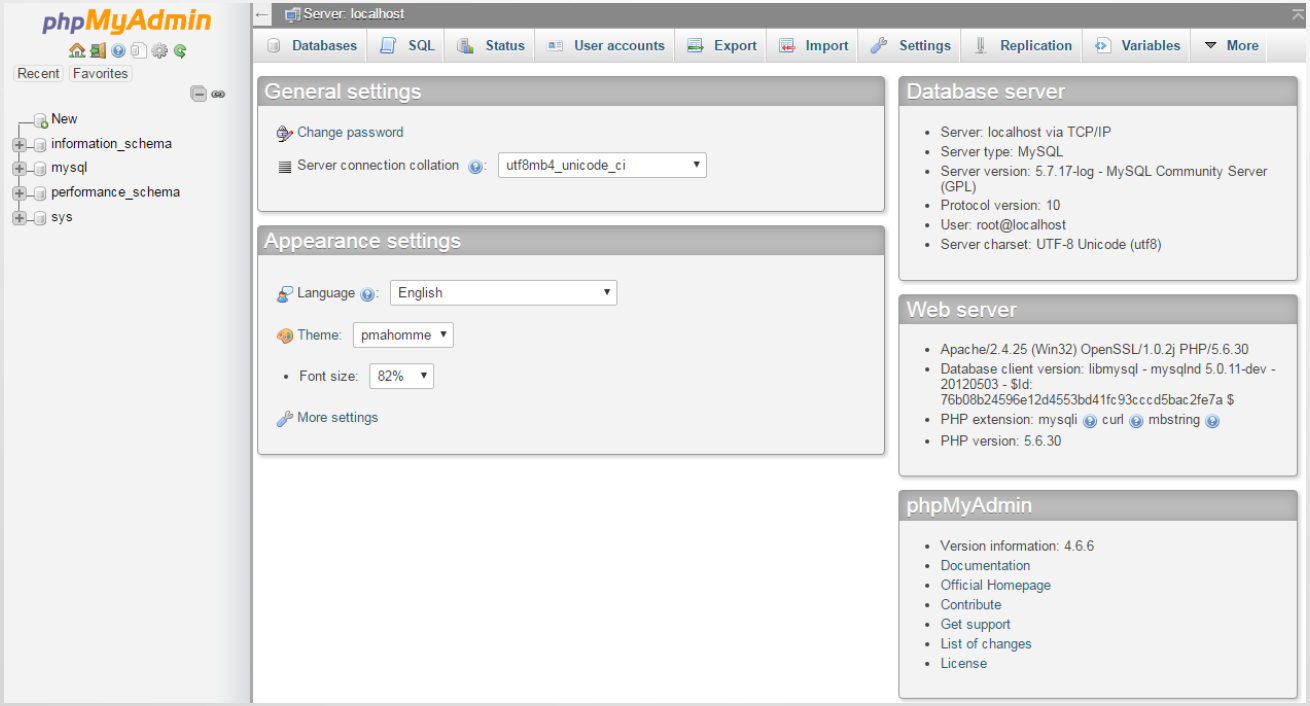
- phpMyAdmin is a free software tool written in PHP, intended to handle the administration of MySQL over the Web.
- phpMyAdmin supports a wide range of operations on MySQL and MariaDB.
- Frequently used operations (managing databases, tables, columns, relations, indexes, users, permissions, etc) can be performed via the user interface, while you still have the ability to directly execute any SQL statement.

PhpMyAdmin login

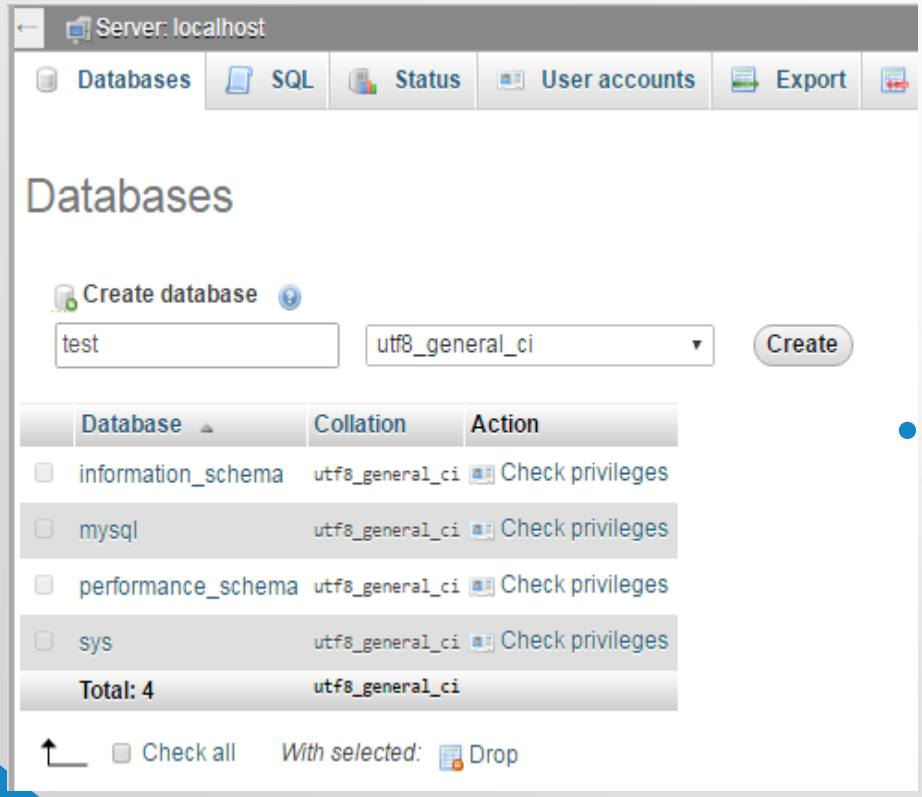
- AppServe: localhost:8080/phpmyadmin
- AppServe: root / password

- XAMPP: localhost/phpmyadmin
- XAMPP: root / (no password)


localhost:8080
The AppServ Open Project - 8.6.0 for Windows
Now you running on PHP 5.6.30
phpMyAdmin Database Manager Version 4.6.6
PHP Information Version
About AppServ Version 8.6.0 for Windows
AppServ is a merging open source software installer package for Win
Apache Web Server Version 2.4.25
PHP Script Language Version 5.6.30 & 7.1.1
MySQL Database Version 5.7.17
phpMyAdmin Database Manager Version 4.6.6
phpMyAdmin
Welcome to phpMyAdmin
Language
English
Log in
Username:
Password:
Go

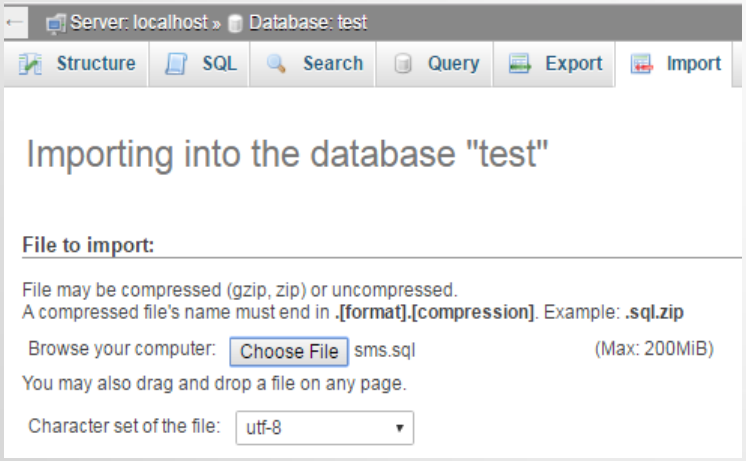

phpMyAdmin
Recent
Favorites
New
information_schema
mysql
performance_schema
sys
Server: localhost
Databases
SQL
Status
User accounts
Export
Import
Settings
Replication
Variables
More
General settings
Change password
Server connection collation:
utf8mb4_unicode_ci
Appearance settings
Language:
English
Theme:
pmahomme
Font size:
82%
More settings
Database server
Server: localhost via TCP/IP
Server type: MySQL
Server version: 5.7.17-log - MySQL Community Server (GPL)
Protocol version: 10
User: root@localhost
Server charset: UTF-8 Unicode (utf8)
Web server
Apache/2.4.25 (Win32) OpenSSL/1.0.2j PHP/5.6.30
Database client version: libmysql - mysqlnd 5.0.11-dev - 20120503 - $Id: 76b08b24596e12d4553bd41fc93cccd5bac2fe7a $
PHP extension: mysqli curl mbstring
PHP version: 5.6.30
phpMyAdmin
Version information: 4.6.6
Documentation
Official Homepage
Contribute
Get support
List of changes
License

Database



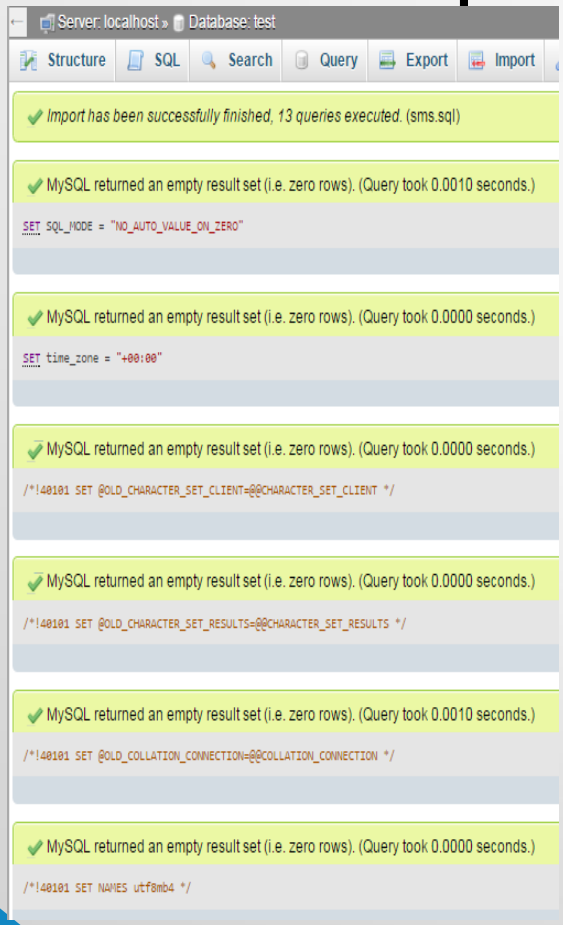
- If no "test" database, then create one "test" database first.

Import

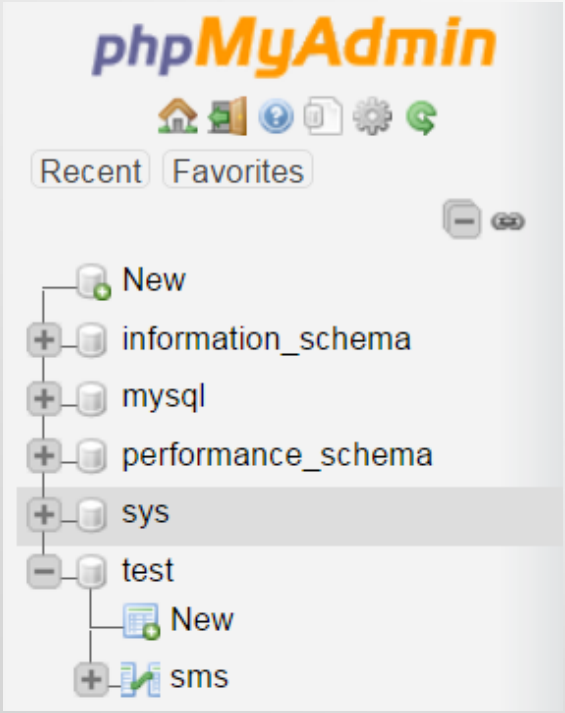


- Then import the sms table by Choose File “sms.sql”

Import successfully



- Check means import successfully.



- Then you find the **sms** table under **test** database on the left nav bottom

Classwork

- Import the products table “products.sql”

CRUD

- Create, Read, Update and Delete
- Facebook, Whatsapp

CRUD

Operation	SQL	User Interface
Create	INSERT	New
Read	SELECT	Browse
Update	UPDATE	Edit
Delete	DELETE	Remove

Open Excel file

1. Turn on the computer
2. Input username
3. Input password
4. Open the excel file

db.inc.php

- <?php
- //db.inc.php
- $db_hostname="localhost";
- $db_username="root";
- $db_password="password";
- $db_database="test";

db.inc.php

- $mysqli=new MySQLi($db_hostname, $db_username, $db_password, $db_database);
- if ($mysqli->connect_errno>0){
- die($mysqli->connect_error);
- }
- //print_r($mysqli);
- ?>

db.php

- <?php require_once('db.php'); ?>
- [...]
- <?php $mysqli->close(); ?>

Browse

+ Options

	id	message	createdate
Edit Copy Delete	1	Hi	2016-11-21 00:00:01
Edit Copy Delete	2	Hello	2016-11-21 00:00:02
Edit Copy Delete	3	How are you?	2016-11-21 00:00:03
Edit Copy Delete	4	I am fine	2016-11-21 00:00:04
Edit Copy Delete	5	Good	2016-11-21 00:00:05
Edit Copy Delete	6	How about you?	2016-11-21 00:00:06
Edit Copy Delete	7	I am great.	2016-11-21 00:00:07
Edit Copy Delete	8	Great	2016-11-21 00:00:08
Edit Copy Delete	9	Let's go dinner	2016-11-21 00:00:09
Edit Copy Delete	11	What time?	2016-11-21 00:00:11
Edit Copy Delete	12	8pm?	2017-04-05 15:38:50
Edit Copy Delete	13	sure. see you tonight	2016-11-21 00:00:13

Read all

- Open db.php
- Save as sms_readall.php

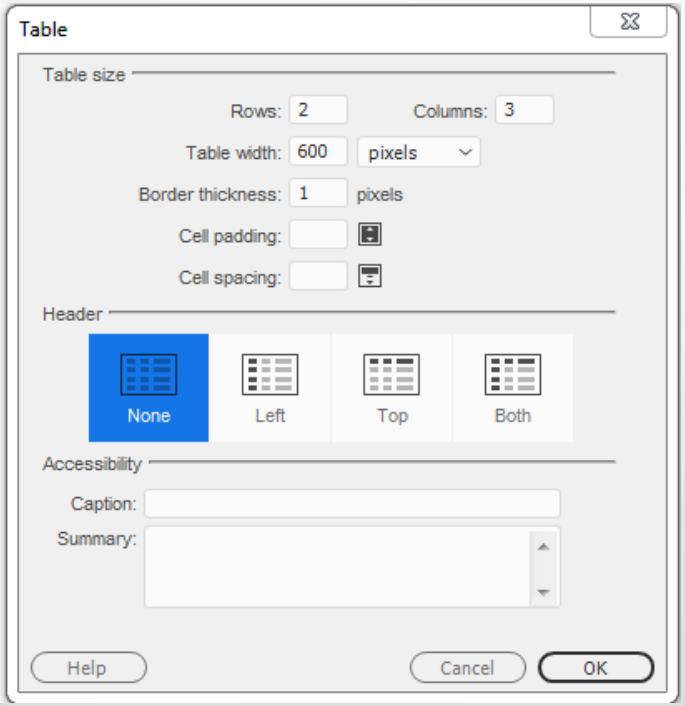


Table
Table size
Rows: 2
Columns: 3
Table width: 600
pixels
Border thickness: 1
pixels
Cell padding:
Cell spacing:
Header
None
Left
Top
Both
Accessibility
Caption:
Summary:
Help
Cancel
OK

SQL

- You can copy SQL from phpmyadmin

Read one

- sms_readone.php

Create

- sms_create.php
- sms_create_sql.php

Delete

- sms_delete.php
- sms_delete_sql.php

Update

- sms_update.php
- sms_update_sql.php

Files

- db.inc.php
- sms_readall.php
- sms_readone.php
- sms_create.php
- sms_create_sql.php
- sms_delete.php
- sms_delete_sql.php
- sms_update.php
- sms_update_sql.php
- sms.sql

Next lesson

- Bring Fevaworks notes lesson 24 and 26.

Homework

- www.zaturday.com/homework/news/

QUESTIONS