

Laboratory Activity

Web Systems and Technology

Midterm

OFILANDA, Marc Dave U.
C334_IT
WSTL31C
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Activity 3

Procedure:

Step 1: Install a local server environment

Since phpMyAdmin requires a web server (Apache), a database server (MariaDB/MySQL), and PHP to run, you will need to install a bundled software package.

Popular options include:

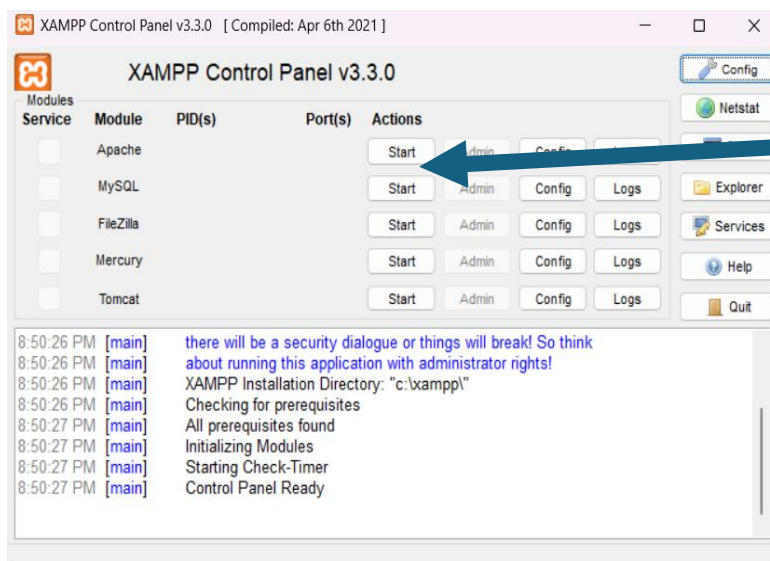
- **XAMPP:** Works on Windows, macOS, and Linux.
- **WAMP:** For Windows users.
- **MAMP:** For macOS users.

Step 2: Start the required services

After installing your server environment, you need to open its control panel and manually start the services.

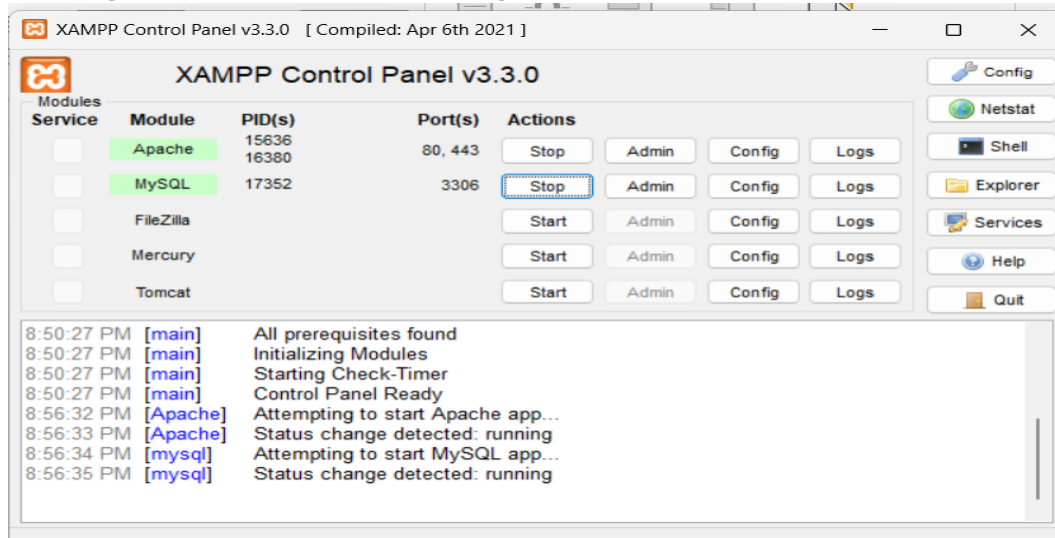
For XAMPP, this means:

1. Open the **XAMPP Control Panel**.
2. Click the **Start** button next to **Apache**.
3. Click the **Start** button next to **MySQL**.
4. Ensure that both modules are running successfully.



Make sure to click the Start button to open the Apache and MySQL

- Once it green your server is now running



- Make sure to check the ports of Apache and MySQL as follows

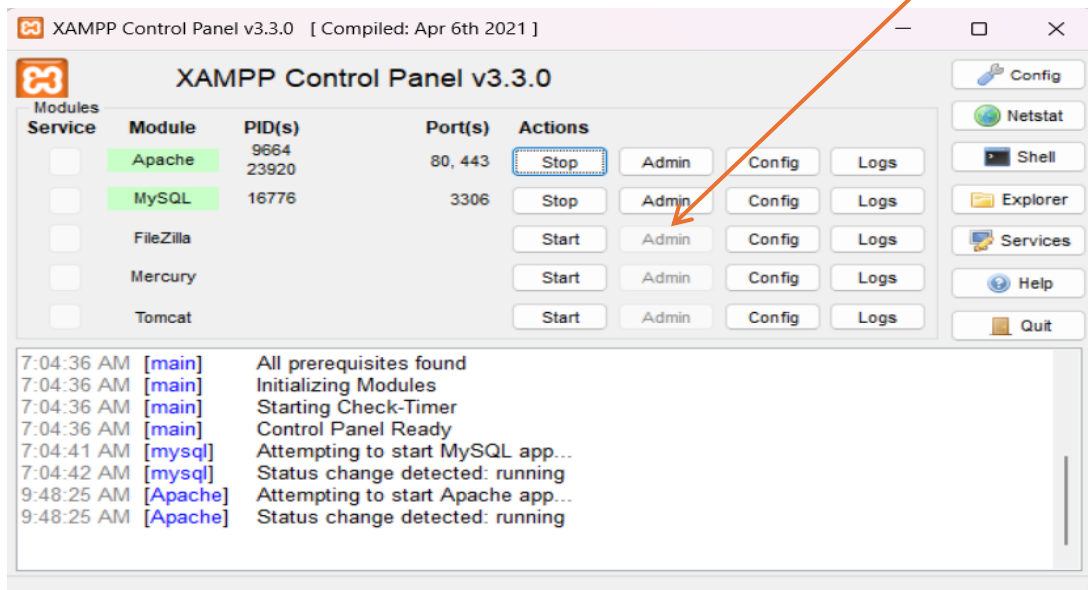
Module	PID(s)	Port(s)
Apache	26368 3028	80, 443
MySQL	25340	3306

- Your now ready to test your server

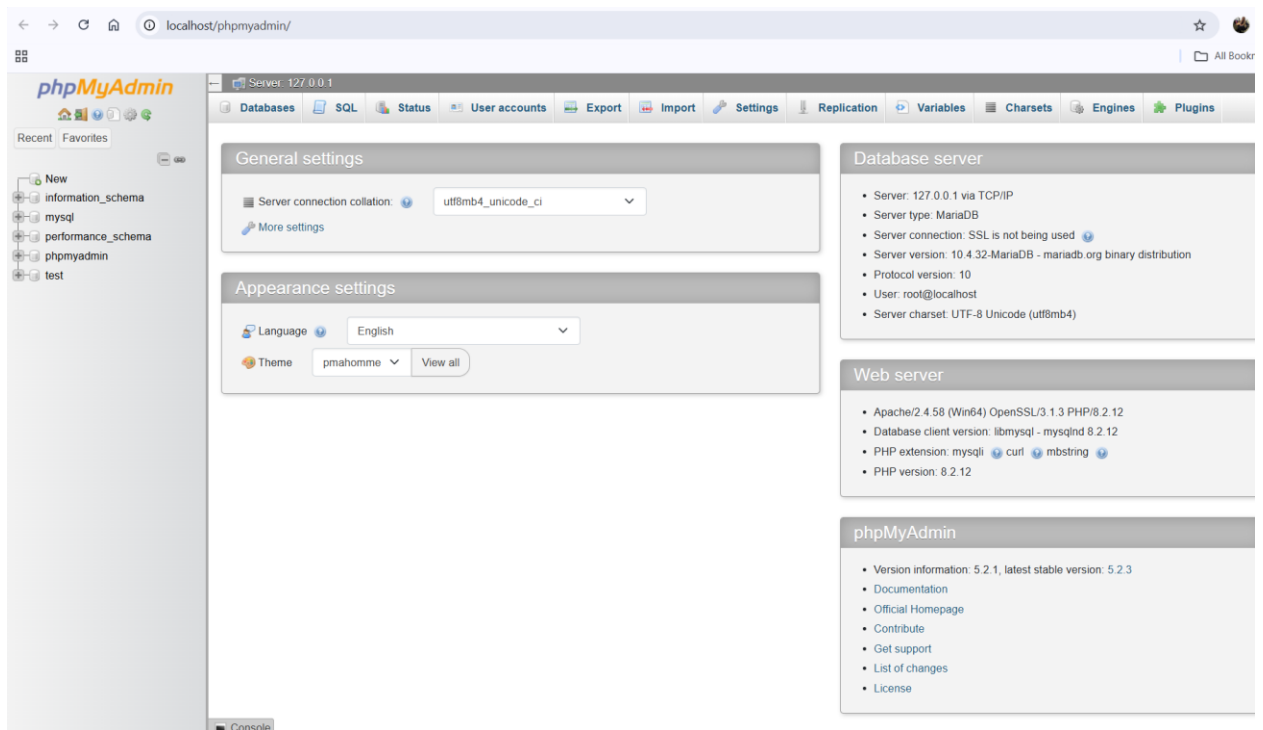
Step 3: Access phpMyAdmin

Once your servers are running, you can access the phpMyAdmin interface through your web browser.

- Open your web browser.
- Type `http://localhost/phpmyadmin` in the address bar and press Enter.
- Log in with your credentials. If you are using a new installation, the default username is often **root** with **no password**.



Then it will redirect you to the admin panel



Step 4: Plan your database schema

Before creating your database, consider what information you need to store and how it should be organized. Proper planning helps avoid structural problems later on.

A simple planning process involves:

- **Identifying entities:** Figure out the main "things" your database needs to track, like Users, Products, or Orders.
- **Defining attributes:** Decide on the specific data points for each entity. For a Users table, this might include first_name, last_name, and email.
- **Specifying primary keys:** Choose a unique identifier for each table, such as a user ID. This is typically an auto-incrementing integer.
- **Establishing relationships:** Determine how your tables will connect to each other. For example, the Orders table might link to a Users table.

This time:

- I want you to explore or try to create a sample database as your activity for today without connecting it to php (or to your website)
- Name it on the desired table name.
- Screenshot all your works and output in this document and sent it through your github (filename: Activity 3 -10/30) this is a different filename from your Activity 2.

Answer:

users table contains the columns **id**, **name**, **email**, **password_hash**, **role**, and **registration_date**. It is located inside the fridget_db database, which is the project I created before.

Server: 127.0.0.1 » Database: fridget_db » Table: users

Showing rows 0 - 8 (9 total, Query took 0.0002 seconds.)

SELECT * FROM `users`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

	id	name	email	password_hash	role	registration_date
<input type="checkbox"/> Edit Copy Delete	1	John Doe	johndoe96@email.com	\$2y\$10\$8mGQsnmOKaukLy.A6CbuEfMUoWD6VafuY1VmkyFz1o...	user	2025-05-31 16:07:28
<input type="checkbox"/> Edit Copy Delete	2	Marc Dave	marcave123@email.com	\$2y\$10\$LQnOZWmTulkTXKZ.g77r5uBNhFXfhTJUCXJ8UAwmfTQ...	user	2025-05-31 17:22:01
<input type="checkbox"/> Edit Copy Delete	3	Dave Marc	Admin1@fridgetsys.com	\$2y\$10\$MfOjmx6xHd9XszWEXYPOA.iuMk1appbRCt1SP1ghblx...	admin	2025-05-31 20:37:06
<input type="checkbox"/> Edit Copy Delete	4	Aleeya Cruz	aleeyacruz@email.com	\$2y\$10\$G3OGuMSywxPnjcVeWLnLobYYVDYV3zOiXmJG0dDe1O...	user	2025-06-04 15:26:40
<input type="checkbox"/> Edit Copy Delete	6	Sarah Thompson	sarah.thompson@email.com	\$2y\$10\$EqGib0HJPo3PnRxWlil2BeBoxPZk5ZmN7rPbS2Vj3tr...	user	2025-06-08 18:26:56
<input type="checkbox"/> Edit Copy Delete	7	Daniel Reyes	daniel.reyes@email.com	\$2y\$10\$CB7BloBrfJCltfYtmUxjeqNgPvwK5AFctfYLIJJ/ct...	user	2025-06-08 18:30:55
<input type="checkbox"/> Edit Copy Delete	8	Chloe Martin	chloe.martin@email.com	\$2y\$10\$tekBFEG0b.HQ7h.yzyTrU.mHczgBz4YNBm6rmL1acRf...	user	2025-06-08 18:34:30
<input type="checkbox"/> Edit Copy Delete	10	Emily Navarro	emily.navarro@email.com	\$2y\$10\$4xKdlrOvPGhEnO4lAQrRiZetHT07DToz8lDvHLbTjW6G...	user	2025-06-09 17:16:44
<input type="checkbox"/> Edit Copy Delete	12	Marie Ann	marieann1@email.com	\$2y\$10\$8A5V4FpnHgdzBUR4kt4tuDI9RriGcVhDnN6dWjfkEx...	user	2025-06-21 10:17:53

Check all | With selected: Edit Copy Delete Export

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Query results operations

Print Copy to clipboard Export Display chart Create view

Console