Quinto, Kae Isent E. **OCT 30, 2025**
C334_IT

Laboratory Activity
Web Systems and Technology
Midterm

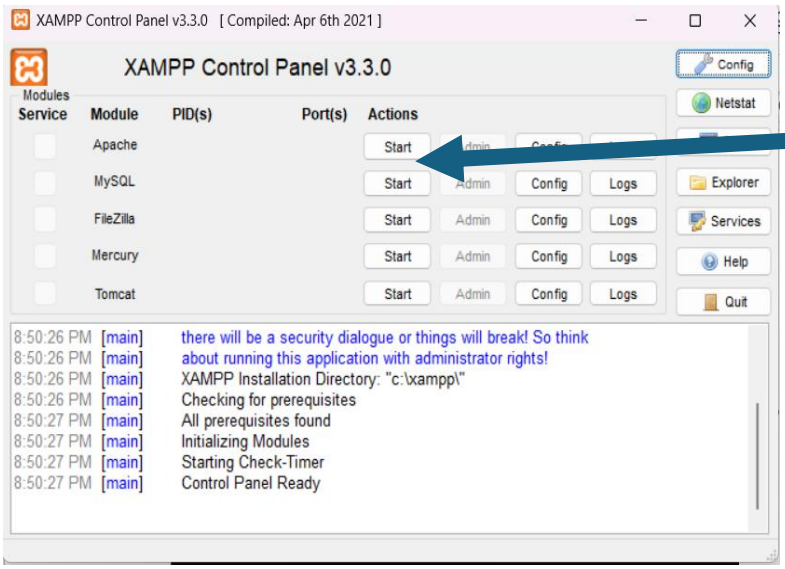
Procedure:

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.

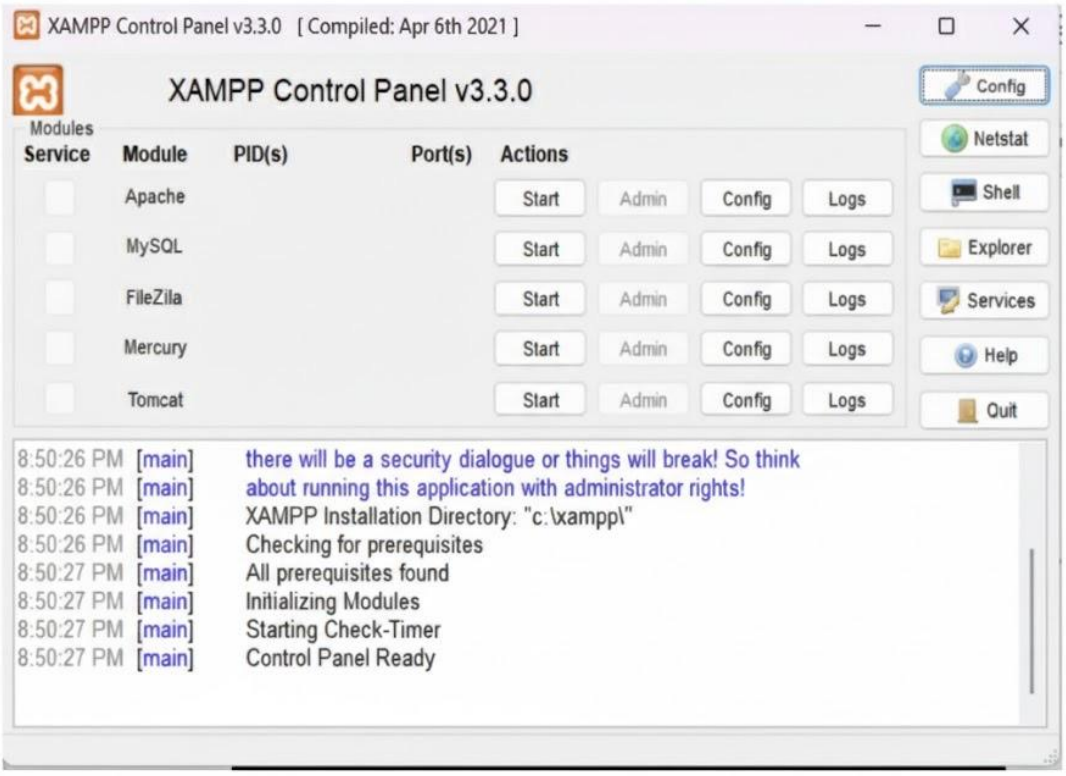
Step 2: Start the required services
After installing your server environment, you need to open its control panel and manually start the services.
For XAMPP, this means:

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.

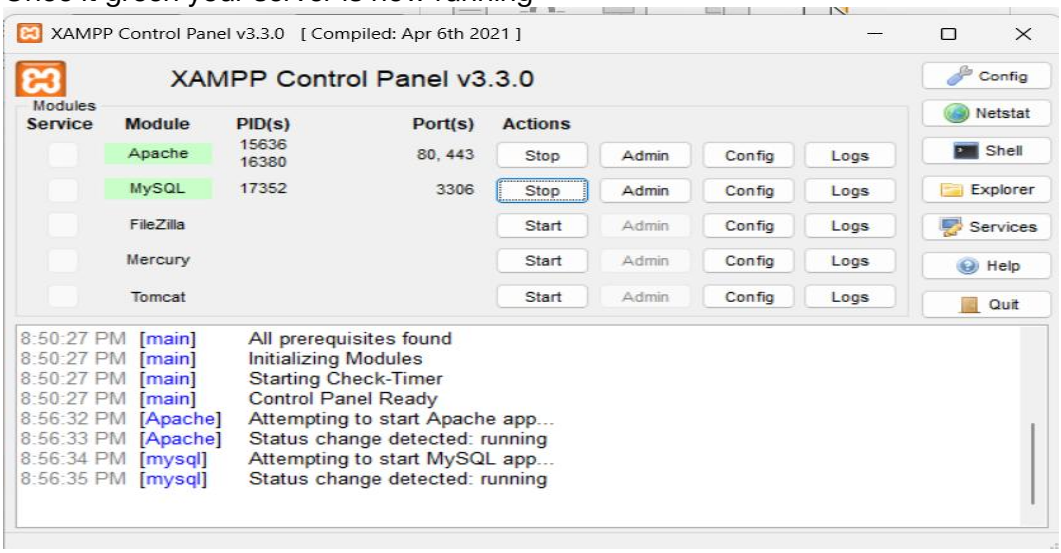


Make sure to click the Start button to open the Apache and MySQL

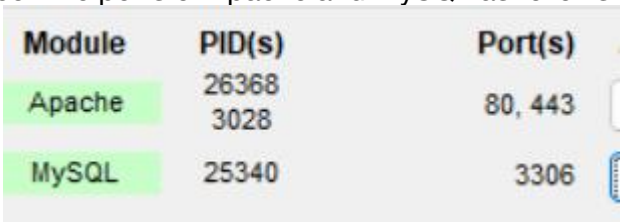
Answer:


XAMPP Control Panel v3.3.0 [Compiled: Apr 6th 2021]
XAMPP Control Panel v3.3.0
Modules
Service
Module
PID(s)
Port(s)
Actions
Apache
MySQL
FileZila
Mercury
Tomcat
Start
Admin
Config
Logs
Config
Netstat
Shell
Explorer
Services
Help
Quit
8:50:26 PM [main] there will be a security dialogue or things will break! So think
8:50:26 PM [main] about running this application with administrator rights!
8:50:26 PM [main] XAMPP Installation Directory: "c:\xampp\"
8:50:26 PM [main] Checking for prerequisites
8:50:27 PM [main] All prerequisites found
8:50:27 PM [main] Initializing Modules
8:50:27 PM [main] Starting Check-Timer
8:50:27 PM [main] Control Panel Ready

- Once it green your server is now running



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



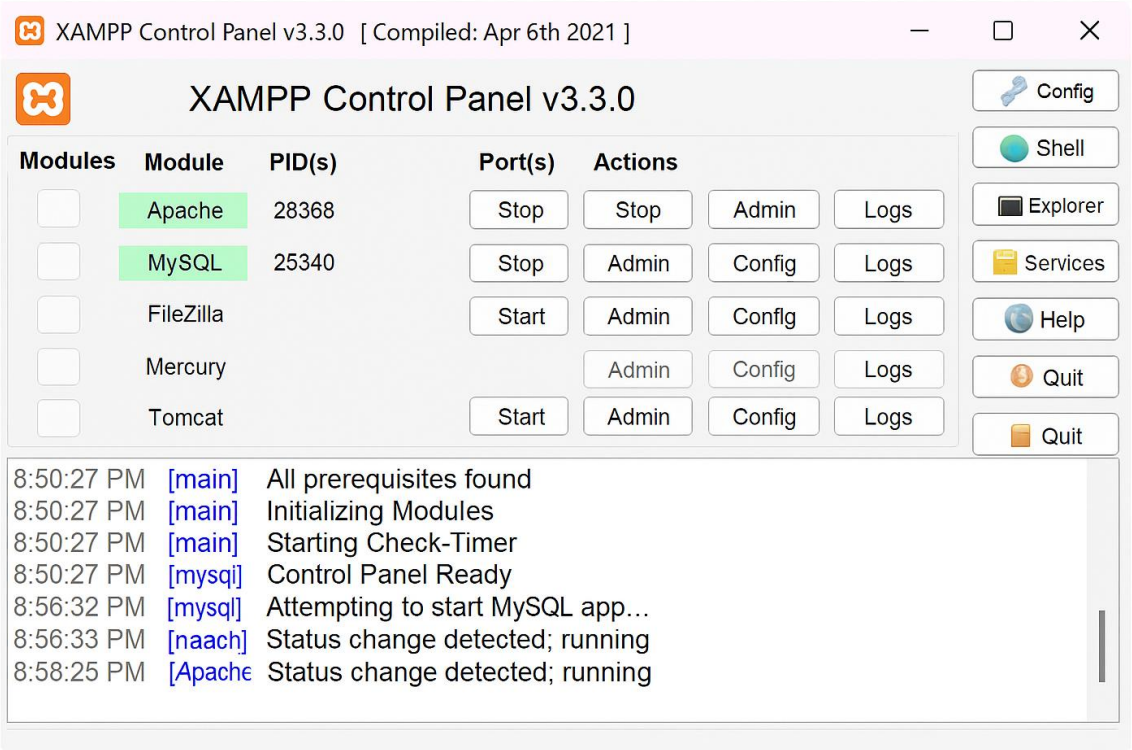
- Your now ready to test your server

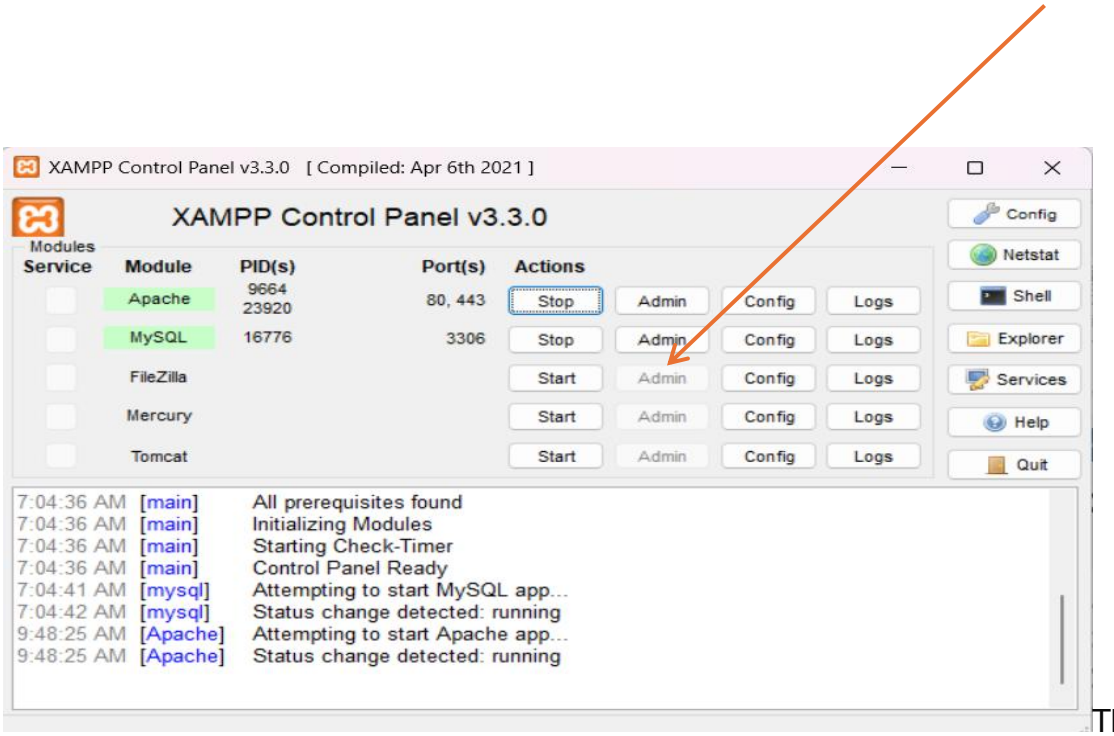
Step 3: Access phpMyAdmin

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

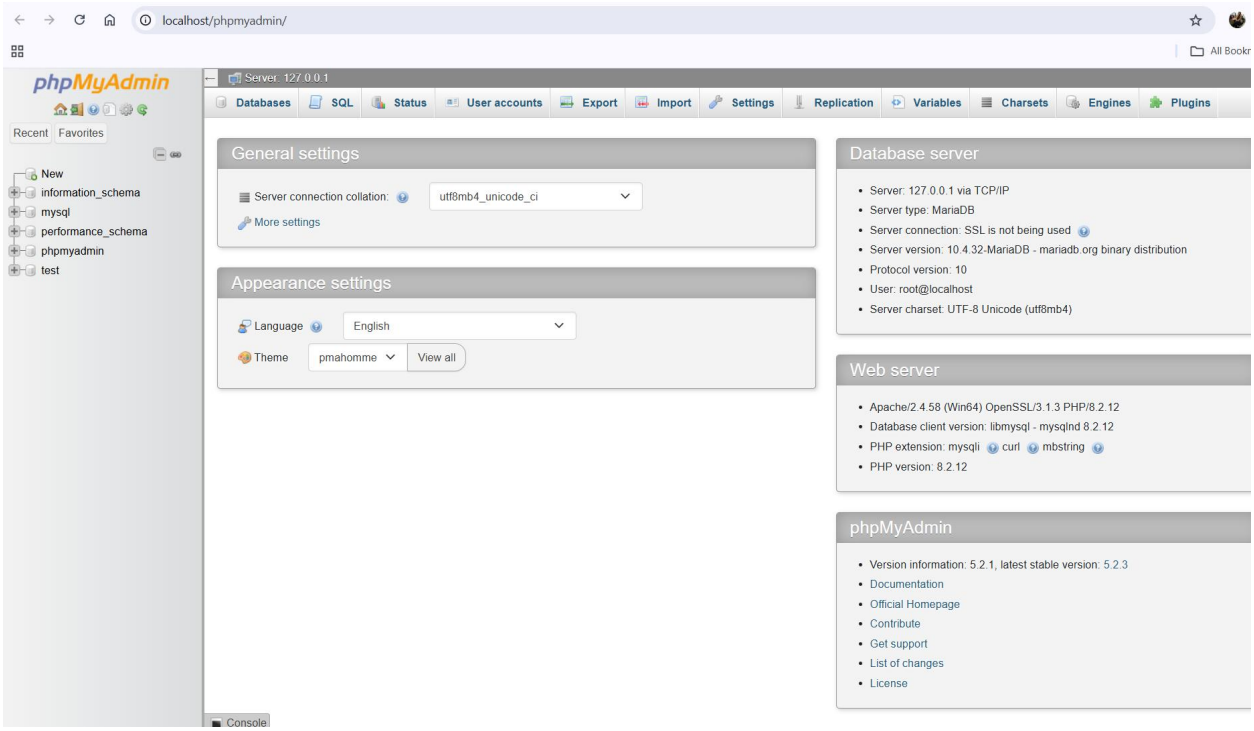
1. Open your web browser.
2. Type http://localhost/phpmyadmin in the address bar and press Enter.
3. Log in with your credentials. If you are using a new installation, the default username is often **root** with **no password**.

4. Answer:


XAMPP Control Panel v3.3.0 [Compiled: Apr 6th 2021]
XAMPP Control Panel v3.3.0
Modules
Module
PID(s)
Port(s)
Actions
Apache
28368
Stop
Stop
Admin
Logs
MySQL
25340
Stop
Admin
Config
Logs
FileZilla
Start
Admin
Conflg
Logs
Mercury
Admin
Config
Logs
Tomcat
Start
Admin
Config
Logs
Config
Shell
Explorer
Services
Help
Quit
Quit
8:50:27 PM [main] All prerequisites found
8:50:27 PM [main] Initializing Modules
8:50:27 PM [main] Starting Check-Timer
8:50:27 PM [mysqi] Control Panel Ready
8:56:32 PM [mysql] Attempting to start MySQL app...
8:56:33 PM [naach] Status change detected; running
8:58:25 PM [Apache Status change detected; running



Then it will redirect you to the admin panel



Step 4: Plan your database schema

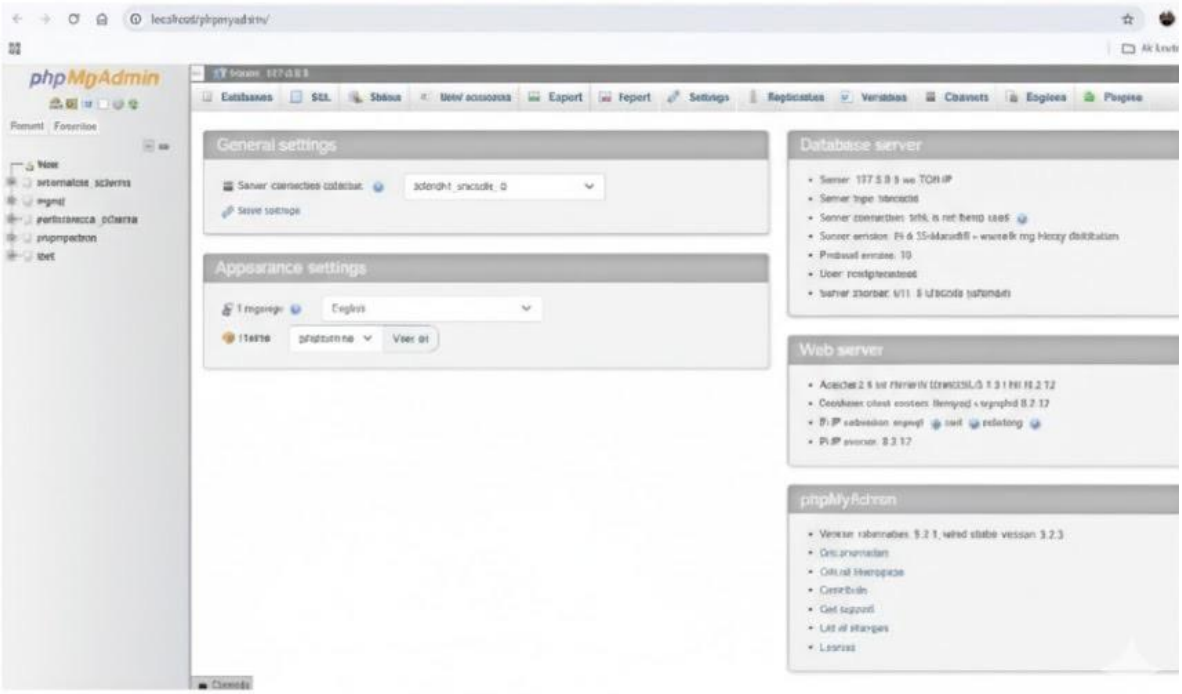
Before creating your database, consider what information you need to store and how it should be organized. Proper planning helps avoid structural problems later on.

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:

XAMPP Control Panel v3.3.0 [Compiled: Apr 6th 2021]
XAMPP Control Panel v3.3.0
Modules
Service
Module
PID(s)
Port(s)
Actions
Apache
9864
23920
80, 443
Stop
Admin
Config
Logs
MySQL
16778
3306
Stop
Admin
Config
Logs
FileZilla
Start
Admin
Config
Logs
Mercury
Start
Admin
Config
Logs
Tomcat
Start
Admin
Config
Logs
Config
Netstat
Shell
Explorer
Services
Help
Quit
7:08:34 AM [main] All prerequisites found
7:04:56 AM [main] Initializing Modules
7:04:56 AM [main] Starting Check-Timer
7:04:56 AM [main] Control Panel Ready
7:04:41 AM [mysql] Attempting to start MySQL app...
7:04:22 AM [mysql] Status change detected: running
9:48:25 AM [Apache] Attempting to start Apache app...
9:38:26 AM [Apache] Status change detected: running


phpMyAdmin
General settings
Appearance settings
Database server
Web server