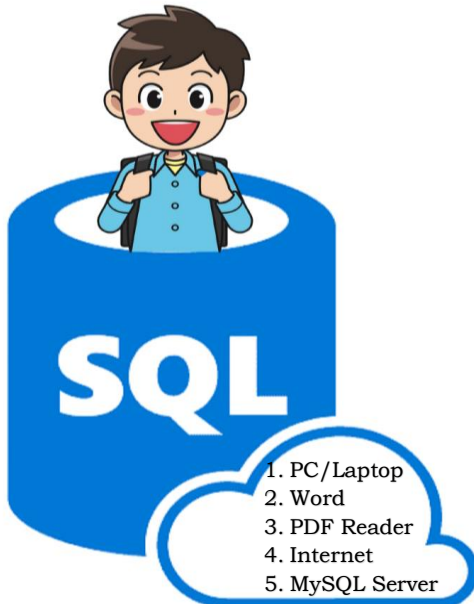# [Laboratory No. 4:
Introduction to Web Server Setup and Installation]

Objectives

1. To install a web server on your computer.
2. Preview the basic installation configuration on the webserver.
3. Create a database file

Materials

1. PC/Laptop
2. Word
3. PDF Reader
4. Internet
5. MySQL Server

Background

The web server application is software that can host websites and deliver web content accessed through the internet. All created web files containing web programming scripts should be saved within the server to render files to the browser and HTML rendered as HTML. Before we get into the installation of **XAMPP** on windows, let us know what **XAMPP** is. According to Apache friends (**https://www.apachefriends.org/index.html**), XAMPP stands for Cross-Platform (X), Apache (A), MariaDB (M), PHP (P), and Perl (P). It is a simple, lightweight Apache distribution that makes it extremely easy for developers to create a local web server for testing purposes.
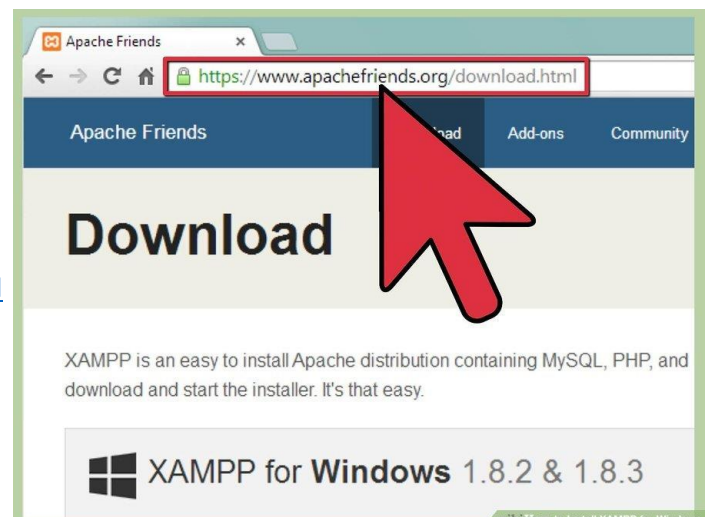
To download the latest version of XAMPP, you can visit the front page of XAMPP official website at ***www.apachefriends.org***, then click on the **"XAMPP for Windows" or "XAMPP for MAC"** button in the downloads section, it will automatically download the FULL version (.exe file) or (.dmg file) respectively.
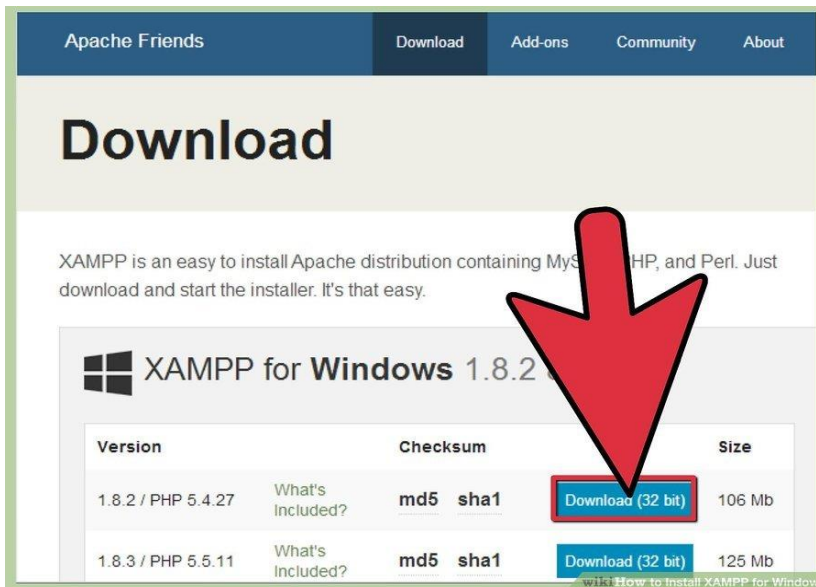
Instructions:

Part I: Installation and configuration

1. In your web browser, go to

   h**ttps://www.apachefriends.org/index.html**

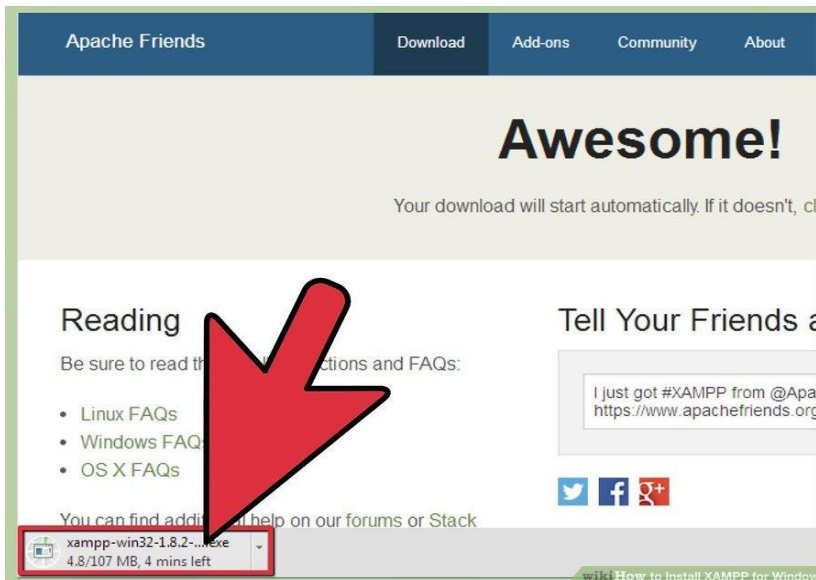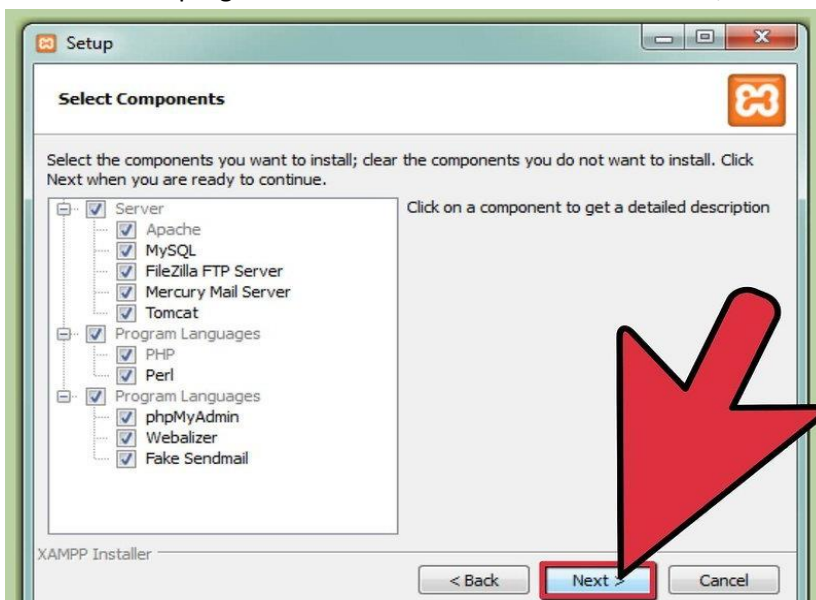

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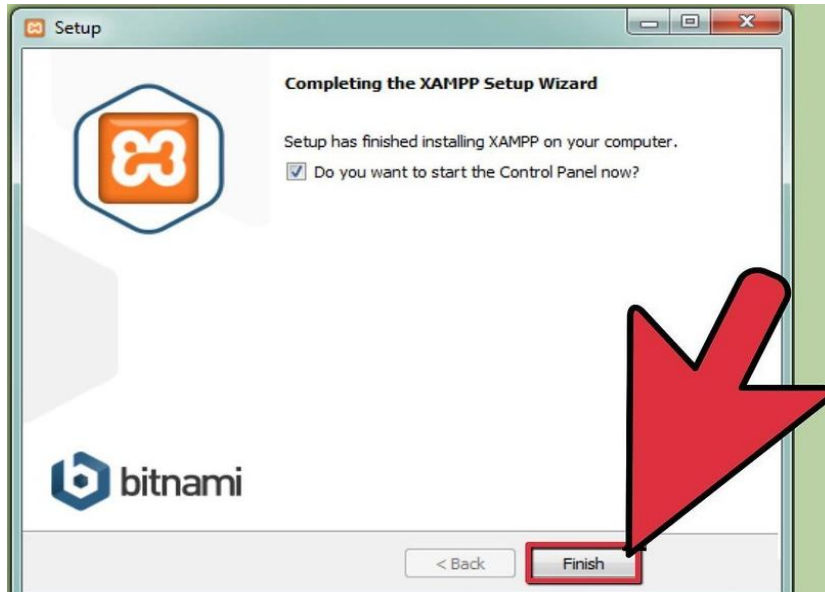2. Click on the download link for **XAMPP**.

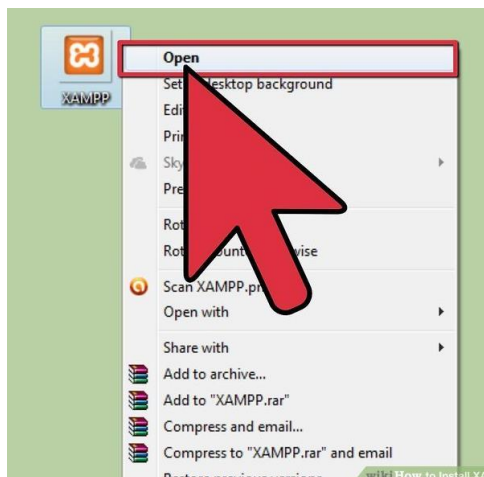3. You may copy the file to your flash drive or install it directly by clicking the downloaded file.

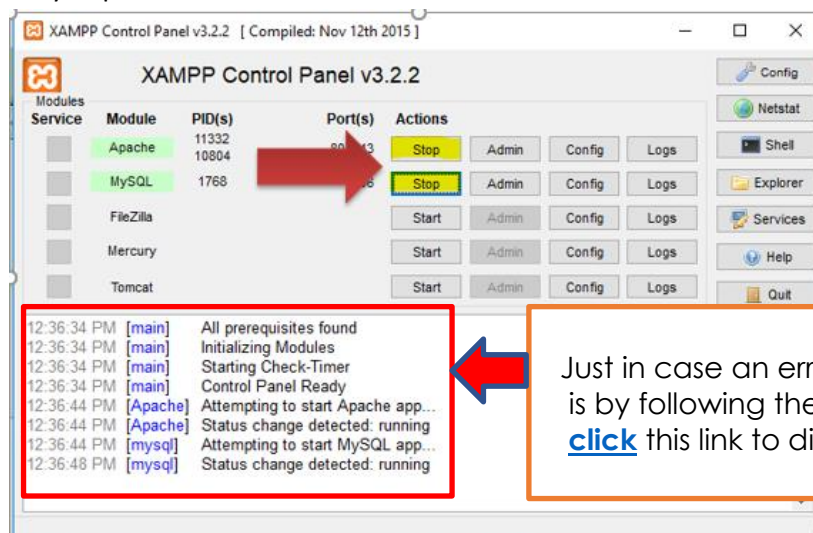4. Install the program and click on the **"Run"** button**.** Then, **"Next"**.

5. Accept the **default** settings. A command will open and offer an initial installation prompt. Just hit the **Enter** key and accept the default settings. To simplify installation, just hit **ENTER** when prompted on the command line. You can always change settings by editing the configuration files later.
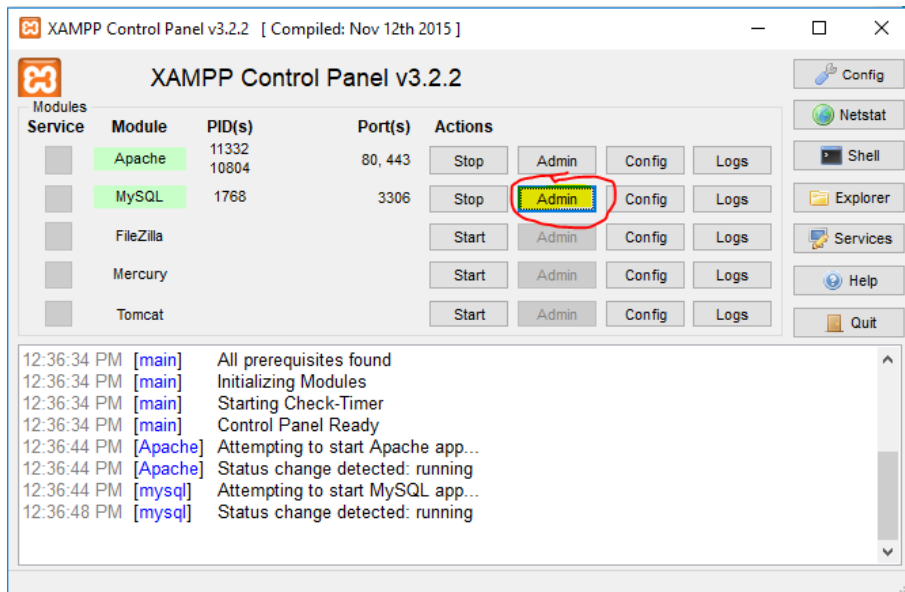

6. Start the **XAMPP** Control Panel.

7. Start the **Apache** and **MySQL** components. You can also start the other components if you plan to use them.
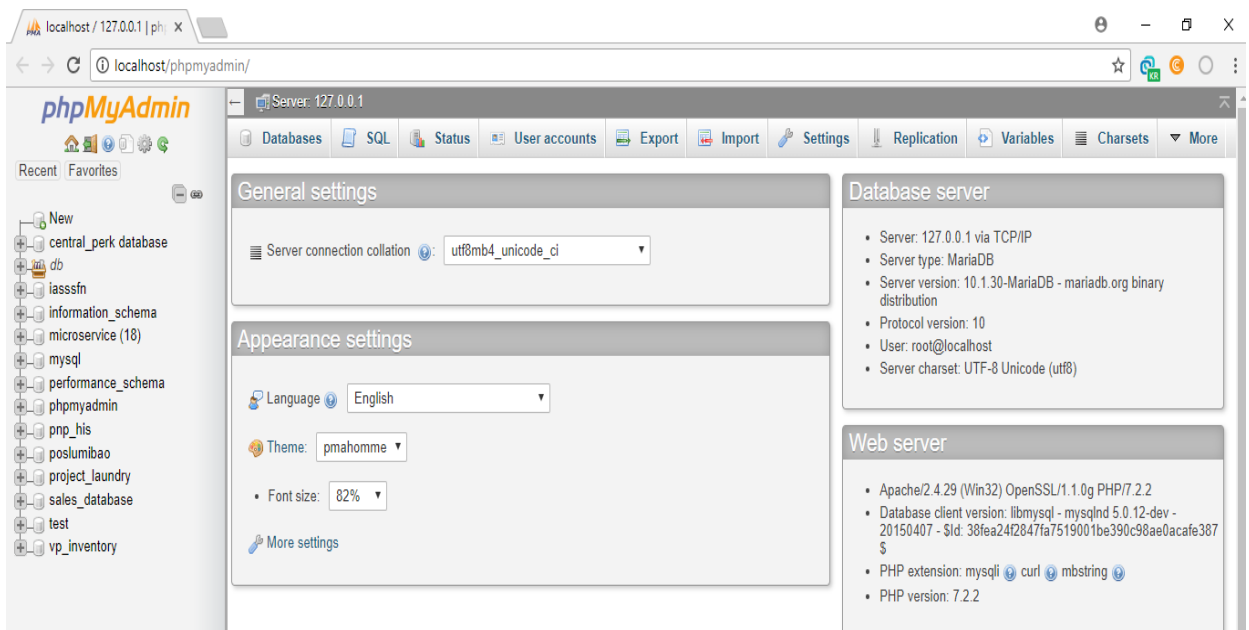

Just in case an error occurs, one way to fix it is by following the instructions I found in this **click** this link to direct you with the solution.

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8. Simply click the admin button along with **MySQL** or type this
   URL in your web browser's address bar [http://localhost/phpmyadmin/.](http://localhost/phpmyadmin/) It will
   direct you to the admin of MySQL.

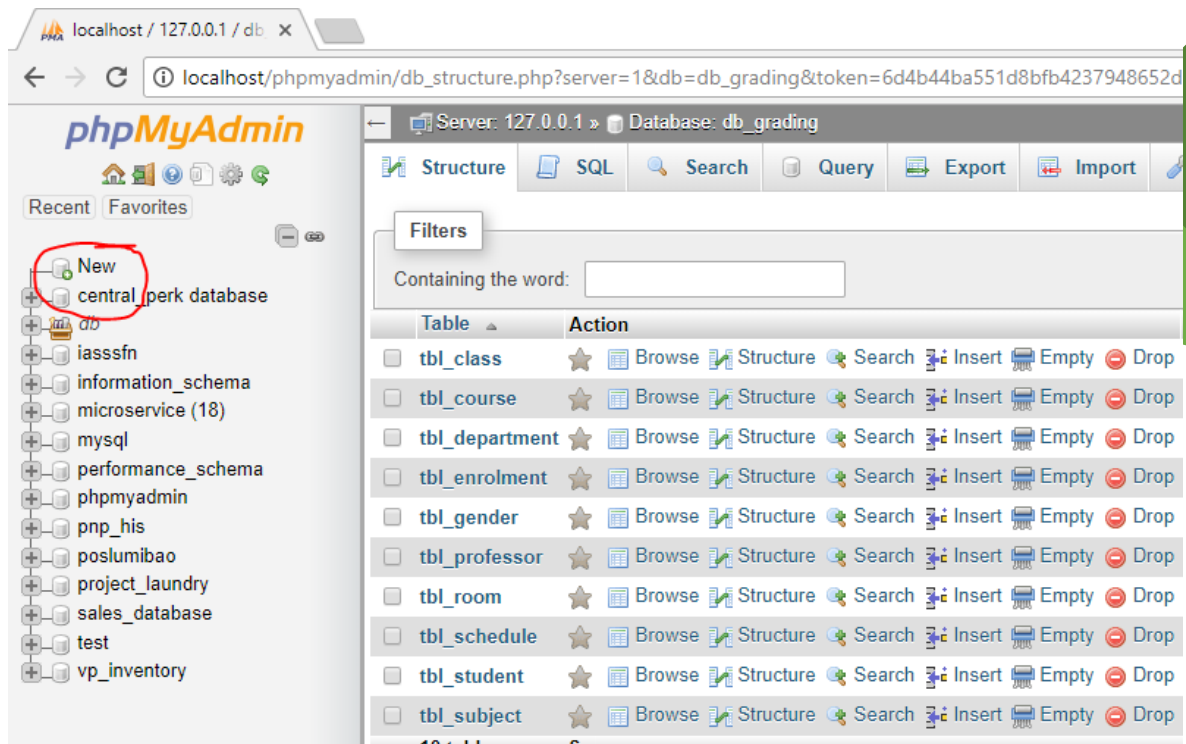9. This should be your display output now.

You will see the list of your databases on the left upper part of your browser.
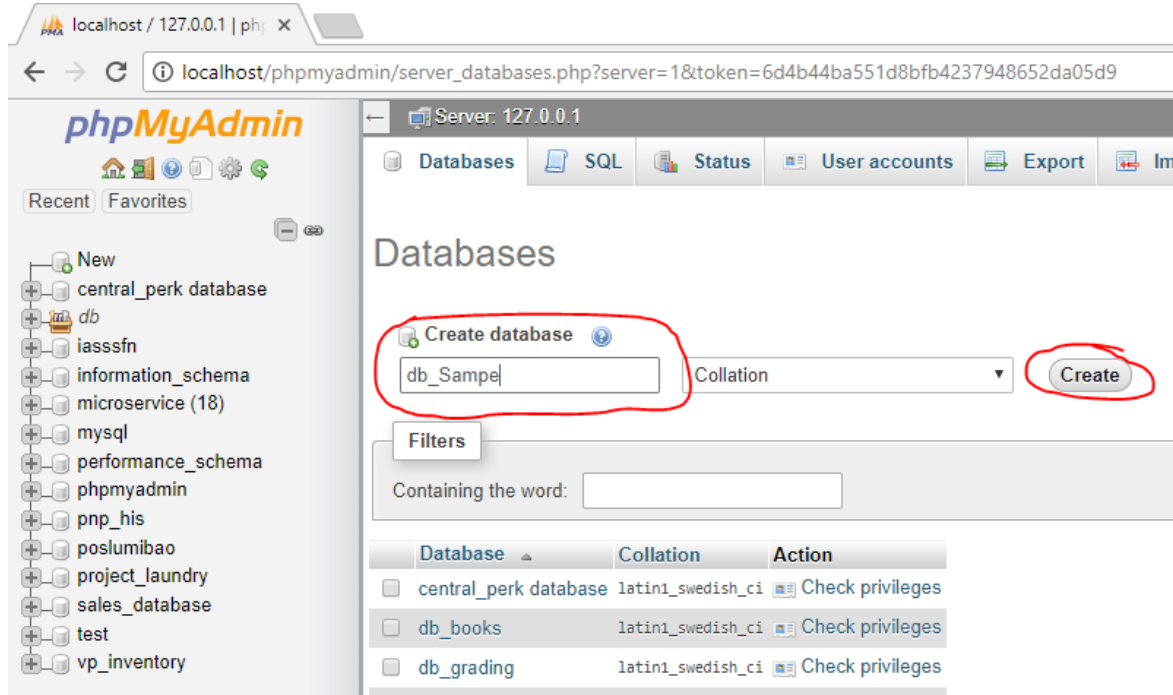
10. You will know if you successfully installed the webserver if you see the welcome window
    of **XAMPP**.
11. Familiarize the page and click the "**phpinfo**()" link. That page shows all the basic and
    default configurations of your web server. You will see the PHP version used by the server
    as well as the **MySQL** server versions.
12. Locate the directory where you installed your server application. Usually, it is in your C:\
    directory as **C:\xampp**.
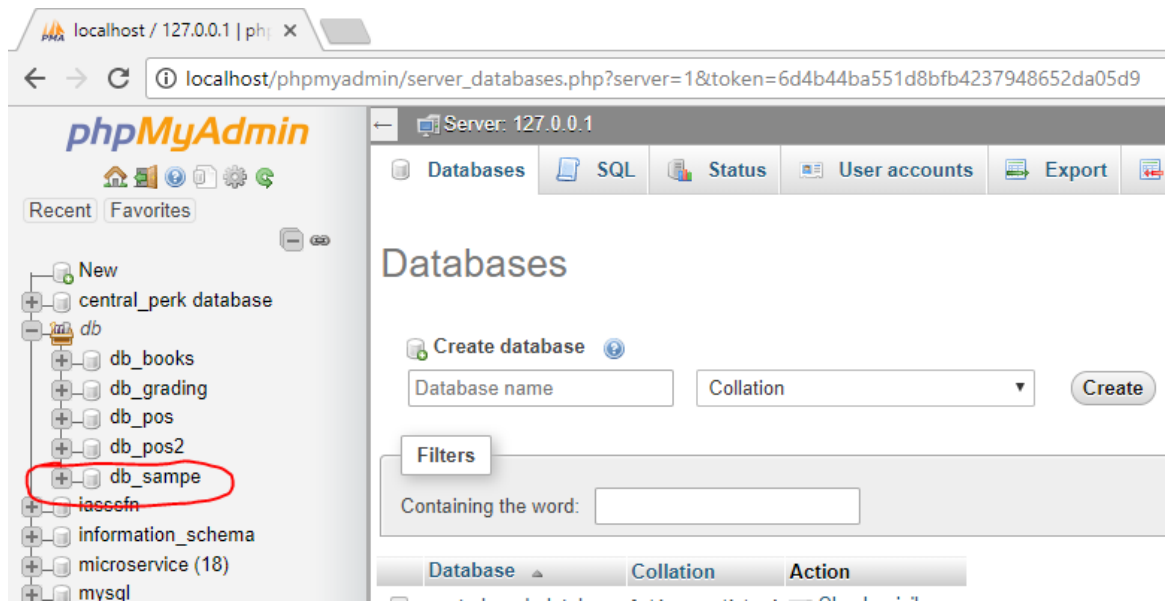
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1. Right on the upper leftmost side of your browser, click **"New"**.

2. Type your desired database name (for conventions, use prefix **db**). And then click **"Create"**.

3. You will see your created database included in the list of databases. As of this moment, let us stop from here.

4. Congratulations on your first database creation.
   a. Upon submission, you write 'kite' as a secret code in the comment section.

5. Create a database name with convention as **db_surname**. Screenshot your phpMyAdmin with your created database on it.

6. Submit the file in a .PDF format as "**DB_LAB4_<Surname>**".

Insights

Write your takeaways in the blank provided.

Scoring System

Task	Total Points	Score
Screenshot of your installed server and database created	70	
Insights	30	