


Procedural (how to guide)

Using XAMPP (Windows, macOS, Linux).

Download and Install XAMPP:

Go to the XAMPP website and download the appropriate version for your operating system.

Install XAMPP on your machine.

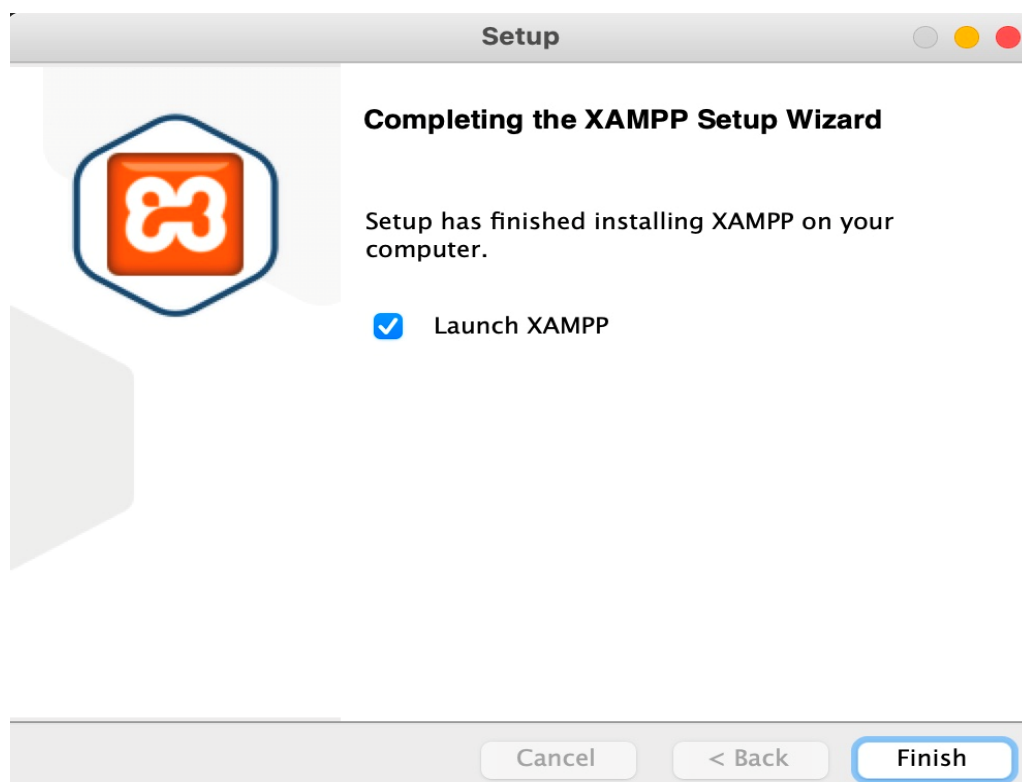
 XAMPP for **OS X** 8.0.28, 8.1.17 & 8.2.4

Version		Checksum		Size
8.0.28 / PHP 8.0.28	What's Included?	md5 sha1	Download (64 bit)	150 Mb
8.1.17 / PHP 8.1.17	What's Included?	md5 sha1	Download (64 bit)	151 Mb
8.2.4 / PHP 8.2.4	What's Included?	md5 sha1	Download (64 bit)	150 Mb

[Requirements](#) [More Downloads »](#)

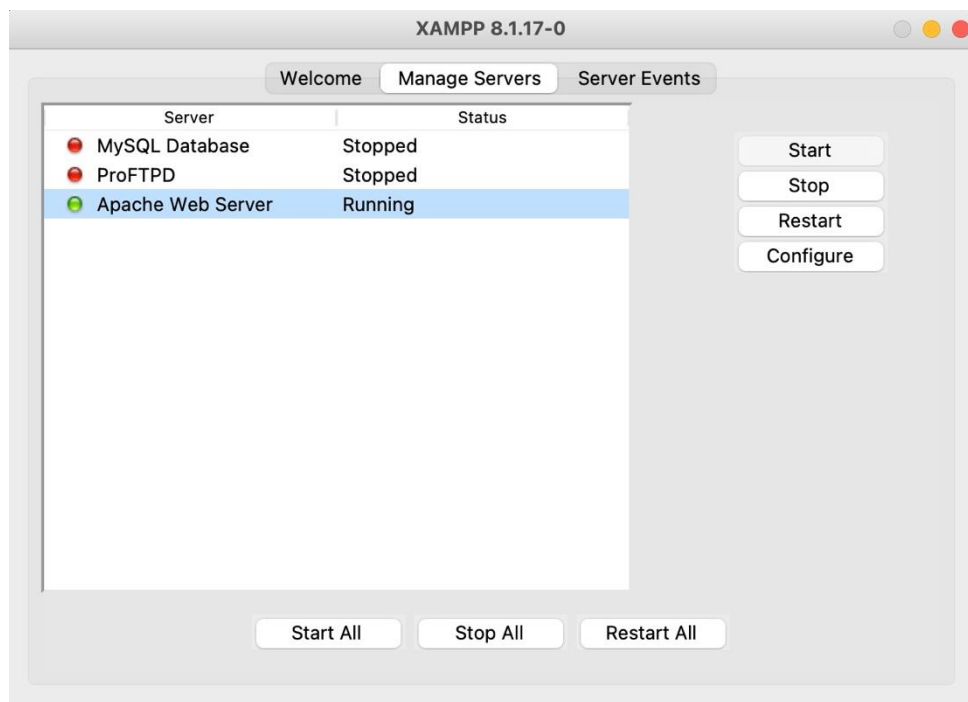
A Native installer installs MariaDB, PHP, Perl, etc. directly onto your macOS system. It supports intel (x64) or Apple M1 (arm64) CPUs.

Complete the download:



2. Start Apache Server:

Open the XAMPP Control Panel and start the **Apache** module (this starts your local web server).



3. Place Your PHP Files in the Right Directory:

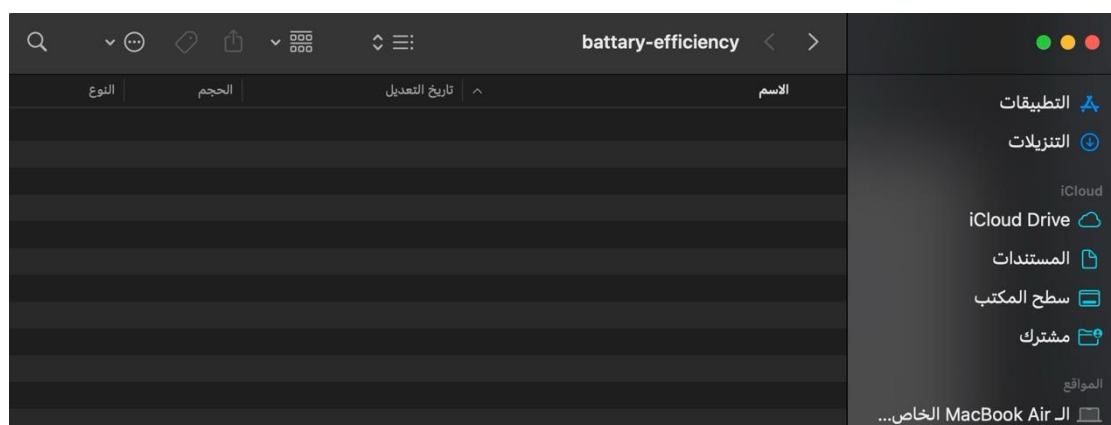
o Navigate to the htdocs folder in your XAMPP installation. This folder is typically located at:

On Windows: C:\xampp\htdocs\

On macOS: /Applications/XAMPP/htdocs/

4. Create a Folder for Your Project:

Inside the htdocs folder, create a new folder called battery-efficiency (or any name you choose).



Save the PHP code you wrote earlier into a file called `index.php` inside this battery-efficiency folder.



Enter the Localhost URL:6-

- o Type `http://localhost/battery-efficiency/` in the address bar.
- o This will open your `index.php` file from the folder you created in the `htdocs` directory (or `www` directory if you're using WAMP).

.View the Interface:7-

- o You should now see the form where you can enter the number of batteries. After submitting the form, the PHP script will process the input and display the classification results.

A screenshot of a web browser showing the 'Battery Efficiency Classifier' application. The browser's address bar displays 'localhost'. The application has a title 'Battery Efficiency Classifier' and a form with the following elements:

- A text input field labeled 'Enter the number of batteries:'.
- A radio button group labeled 'Would you like to calculate battery efficiency?' with 'Yes' selected.
- A radio button group labeled 'Would you like to calculate the cost to replace bad batteries (less than 40%)?' with 'Yes' selected.
- A green 'Submit' button.

Below the form, the results are displayed as a list of 10 battery entries, each with a percentage and a classification. The entries are color-coded: green for 'Efficient', yellow for 'Good', and pink for 'Bad'.

Battery	Percentage	Classification
Battery 1	96%	Efficient
Battery 2	21%	Bad
Battery 3	28%	Bad
Battery 4	89%	Efficient
Battery 5	51%	Good
Battery 6	61%	Good
Battery 7	100%	Efficient
Battery 8	96%	Efficient
Battery 9	25%	Bad
Battery 10	16%	Bad

At the bottom, a summary line states: 'Total bad batteries (efficiency less than 40%): 4'.