

LAB-1: Setting Environment for Serverside Scripting

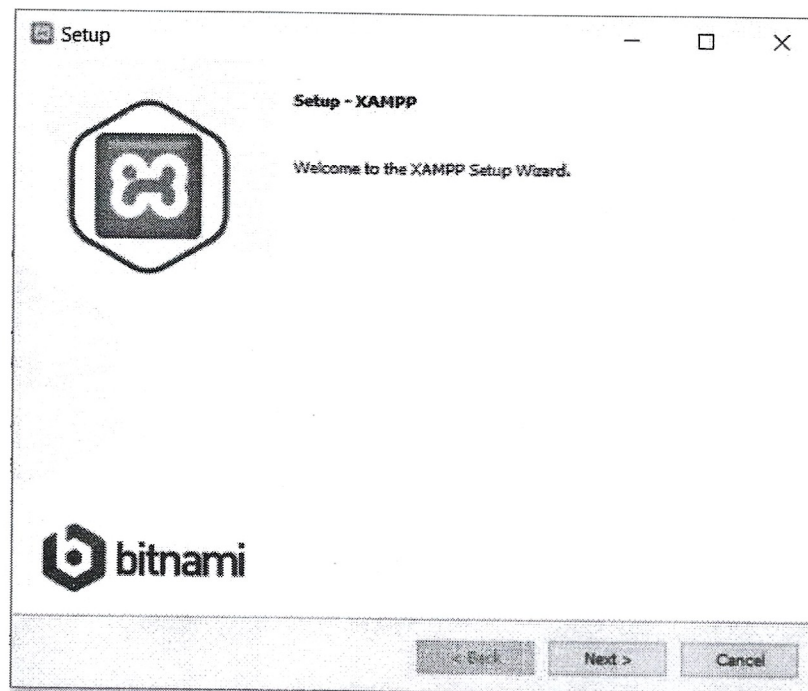
There are basically two ways to set up PHP on a local computer which are:

- Using all in one package (XAMPP & WAMP)
- Manually install all the required packages (MySQL, PHP & Apache) and configure them.

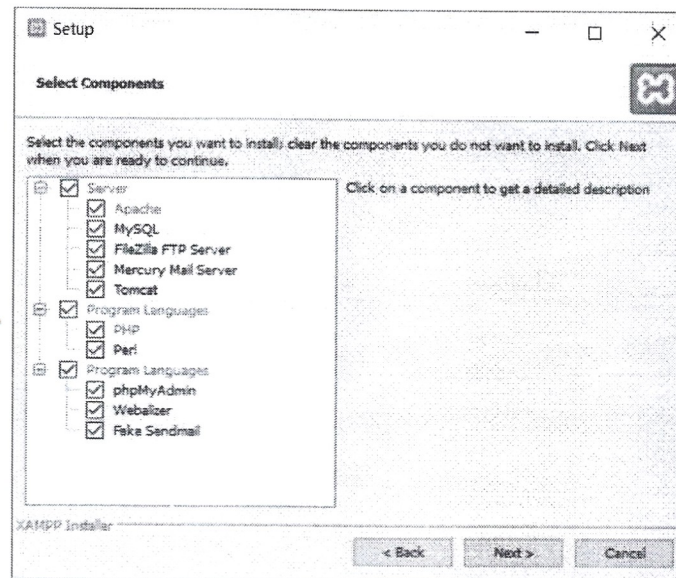
We are using the easy and almost error-free method to install PHP on a local computer which is by using all in one package called XAMPP.

Steps to Install XAMPP:

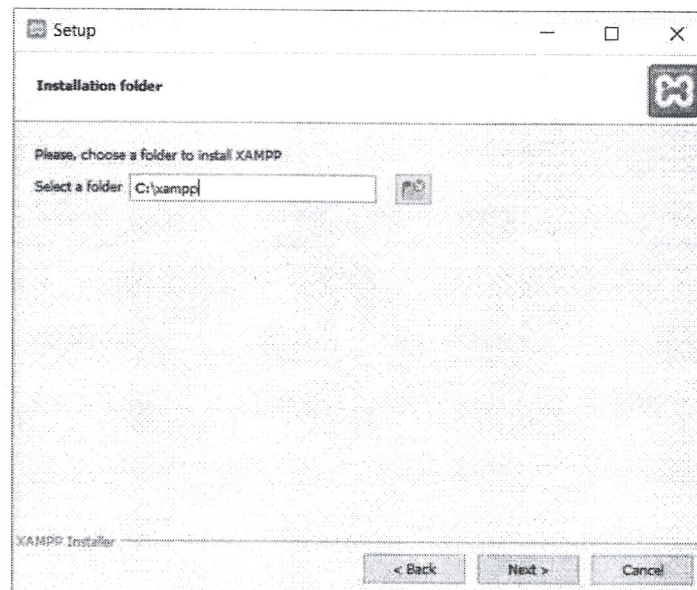
- **Downloading XAMPP:** We can download the XAMPP software from the official website <https://www.apachefriends.org/download.html> with the latest windows version and latest PHP version.
- **Open the downloaded .exe file:** After opening the downloaded file, we will see a popup from windows, we click yes and proceed further.
- **Click on 'Next':** We will see a welcome window of XAMPP like below, click Next.



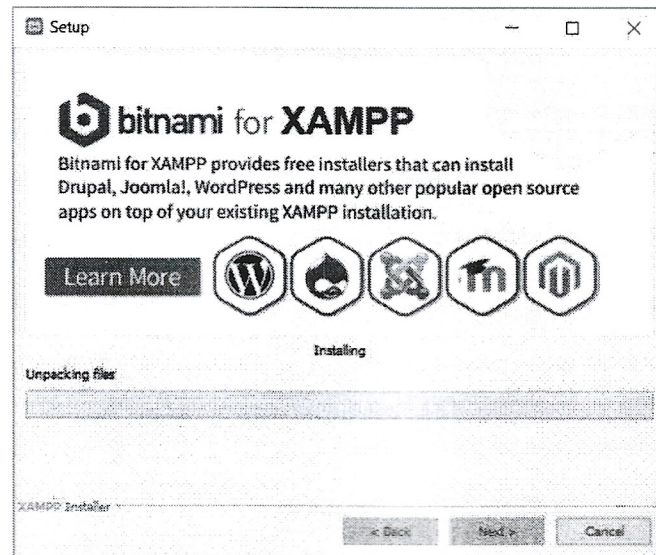
- **Select the components:** Select the components that we want to install. we select the MySQL and phpMyAdmin ~~compon~~ component, all other components are ~~opera~~ optional.



- **Select the installation location:** we should select the location, we want to install the XAMPP, the default location is C:\xampp.

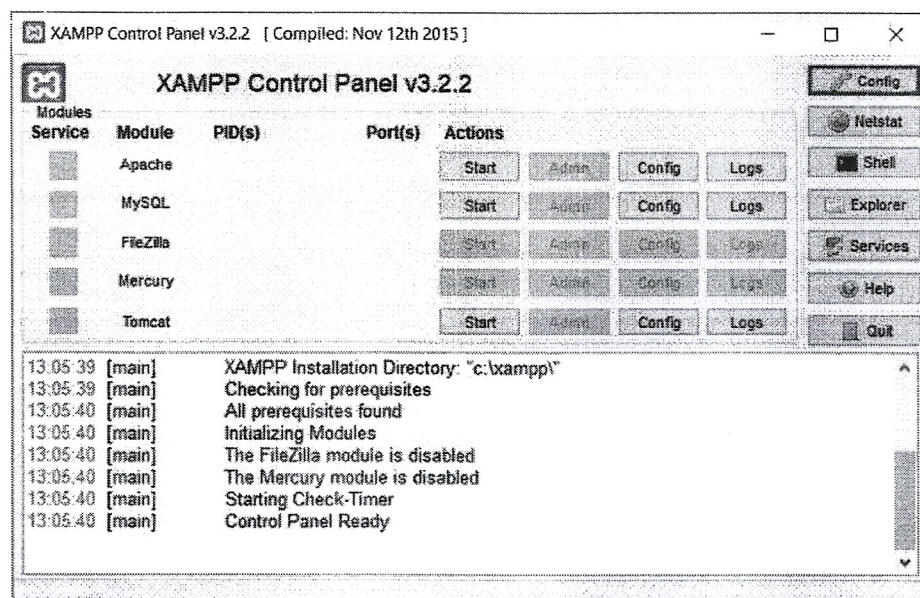


- Click next: The installation begins, when we click next.

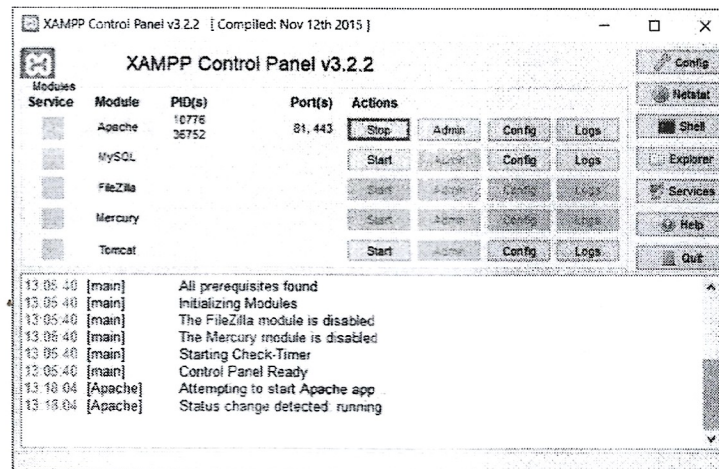


- Open XAMPP Control Panel: After successfully installing XAMPP on our computer, the XAMPP Control Panel can be opened by searching 'XAMPP Control Panel' in the windows search bar or by navigating to the XAMPP installation directory.

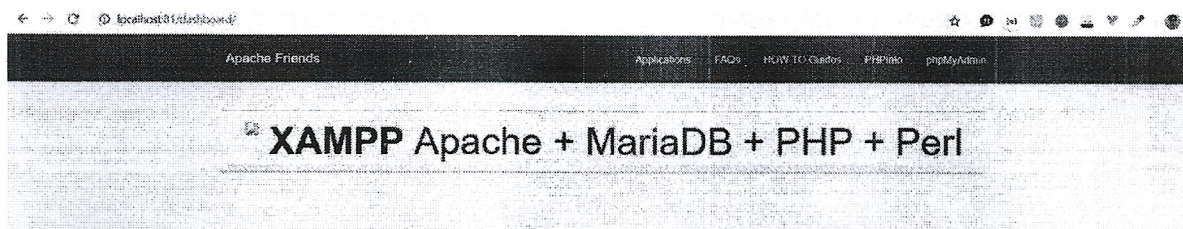
A window similar to the one shown below will appear:



- **Start the Apache server:** Start the Apache server by clicking the start button we'll see a port number just in front of the Apache column. We can stop the service whenever we want and start any service by just clicking the start button.



- **checking the installation:** To verify the installation, open a web browser and enter localhost:81 in the address bar (or simply localhost if the default port has not been changed). A page like the one shown below should appear.



Welcome to XAMPP for Windows 7.2.4

You have successfully installed XAMPP on this system! Now you can start using Apache, MariaDB, PHP and other components. You can find more info in the FAQs section or check the HOW-TO Guides for getting started with PHP applications.

XAMPP is meant only for development purposes. It has certain configuration settings that make it easy to develop locally but that are insecure if you want to have your installation accessible to others. If you want have your XAMPP accessible from the internet, make sure you understand the implications and you checked the FAQs to learn how to protect your site. Alternatively you can use WAMP, MAMP or LAMP which are similar packages which are more suitable for production.

Start the XAMPP Control Panel to check the server status

Community

XAMPP has been around for more than 10 years - there is a huge community behind it. You can get involved by joining our Forums, adding yourself to the Mailing List, and liking us on Facebook, following our exploits on Twitter, or adding us to your Google+ circle.

Contribute to XAMPP translation at translate.apachefriends.org.

- **Checking the PHP installation:** Create a php file in htdocs folder in the installation directory (C : / XAMPP / htdocs) and add the following code in it.

```
<?php  
    echo phpinfo();  
?>
```

Save the file with the name demo.php, then open a web browser and enter localhost:81/demo.php in the address bar (or simply localhost/demo.php if the default port has not been changed).

- If all the above steps have been completed successfully, it indicates that a PHP development environment has been properly set up on the computer.