

Unit-2

Configuration and Installation of PHP and XAMMP

- XAMPP is the title used for a **compilation of free software**.
- The name is an acronym, with each letter representing one of the five key components.
- The software packet contains the web server **A**pache,
- The relational database management system **M**ySQL (or **M**ariaDB), and
- The scripting languages **P**erl and **P**HP.
- The initial **X** stands for the operating systems that it works with: Linux, Windows, and Mac OS X.

- **Apache:** The open source web server Apache is the most widely used server worldwide for delivery of web content. The server application is made available as a free software by the Apache Software Foundation.
- **MySQL/MariaDB:** In MySQL, XAMPP contains one of the most popular relational database management systems in the world. In combination with the web server Apache and the scripting language PHP, MySQL offers data storage for web services. Current XAMPP versions have replaced MySQL with MariaDB (a community-developed fork of the MySQL project, made by the original developers).
- **PHP:** The server-side programming language [PHP](#) enables users to create dynamic websites or applications. PHP can be installed on all platforms and supports a number of diverse database systems.
- **Perl:** The scripting language Perl is used in system administration, web development, and network programming. Like PHP, Perl also enables users to program dynamic web applications.

Installing XAMPP

Step 1: Download

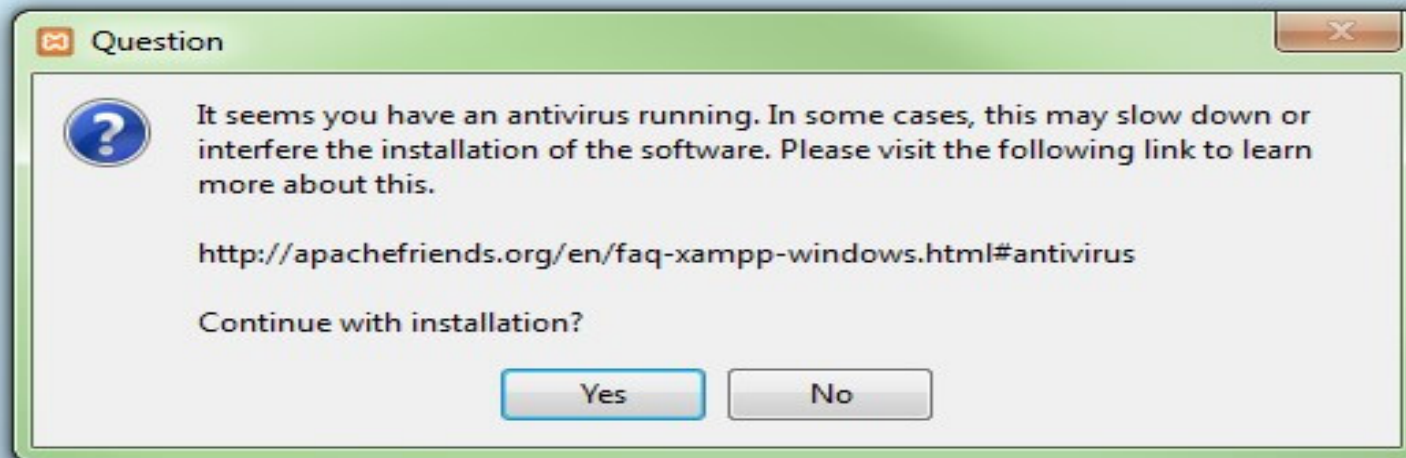
- XAMPP is a release made available by the non-profit project Apache Friends. Versions with PHP 5.5, 5.6, or 7 are available for download on the [Apache Friends](#) website.

Step 2: Run .exe file

- Once the software bundle has been downloaded, you can start the installation by double clicking on the file with the ending [.exe](#).

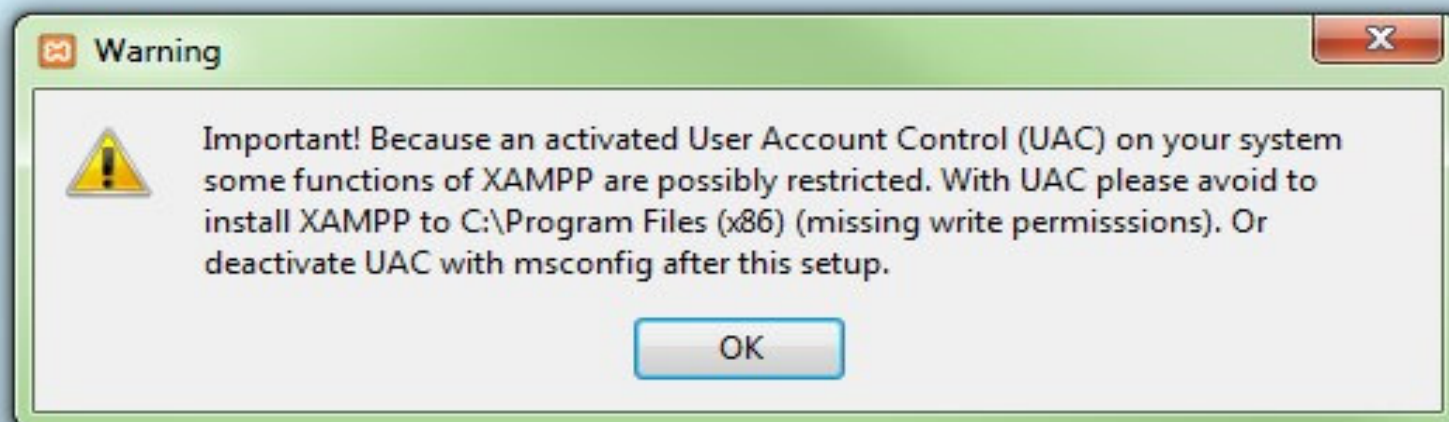
Step 3: Deactivate any antivirus software

- Since an active antivirus program can negatively affect the installation process, it's recommended to temporarily pause any antivirus software until all XAMPP components have successfully been installed.



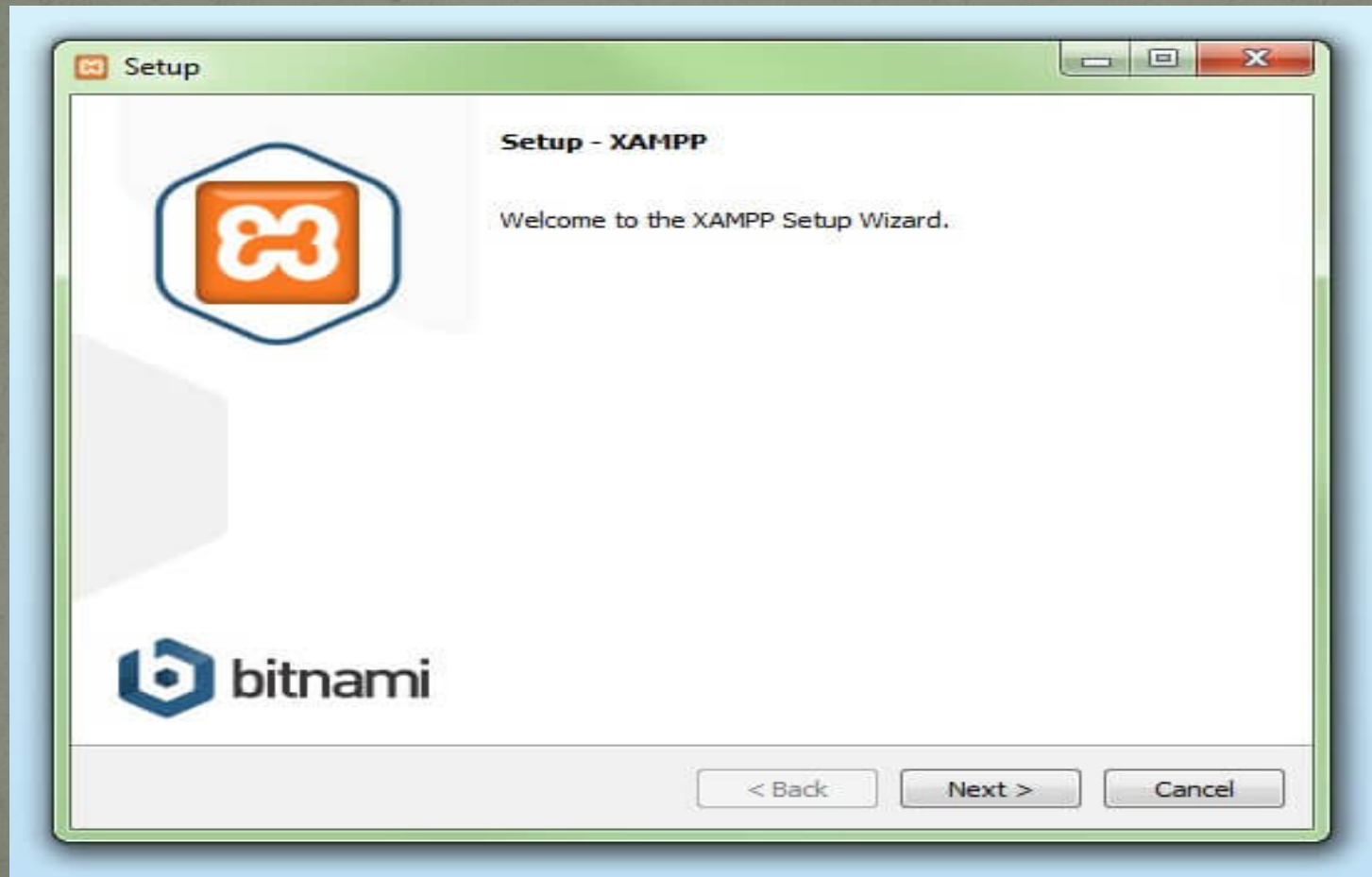
Step 4: Deactivate UAC

User Account Control (UAC) can interfere with the XAMPP installation because it limits writing access to the C: drive, so we recommend you deactivate this too for the duration of the installation process. To find out how to turn off your UAC, head to the [Microsoft Windows support pages](#).



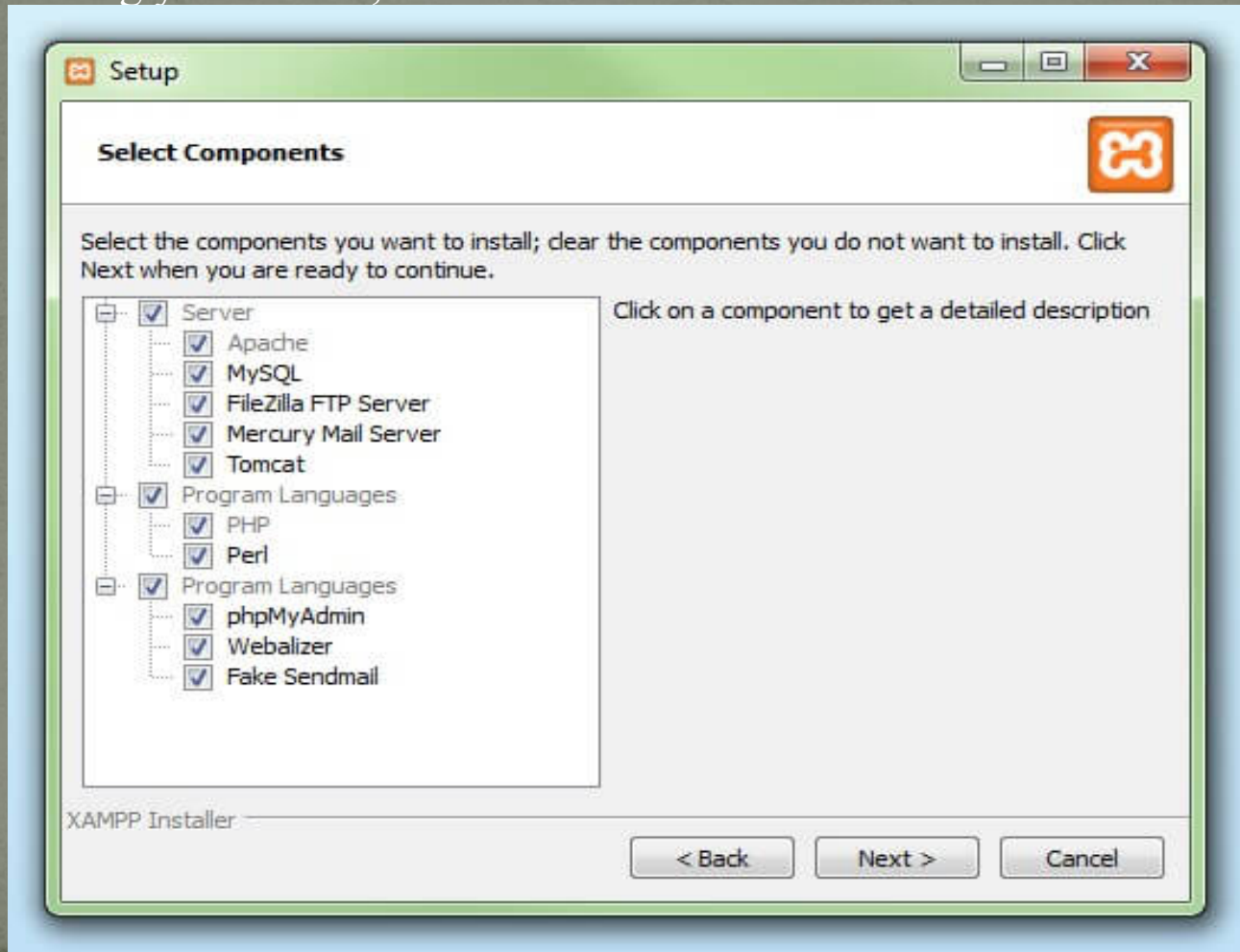
Step 5: Start the setup wizard

- After you've opened the .exe file (after deactivating your antivirus program(s) and taken note of the User Account Control, the start screen of the XAMPP setup wizard should appear automatically. Click on 'Next' to configure the installation settings.

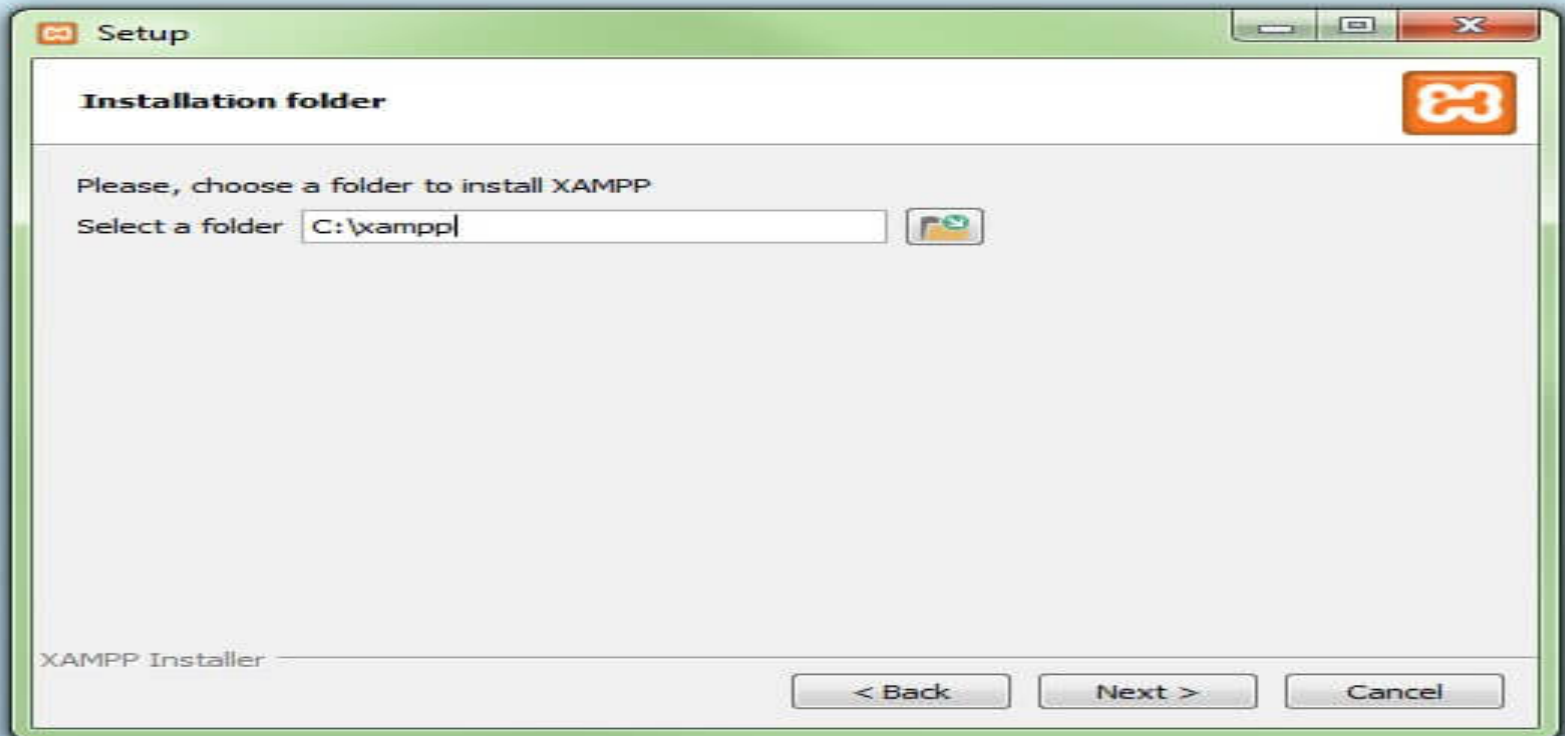


Step 6: Choose software components

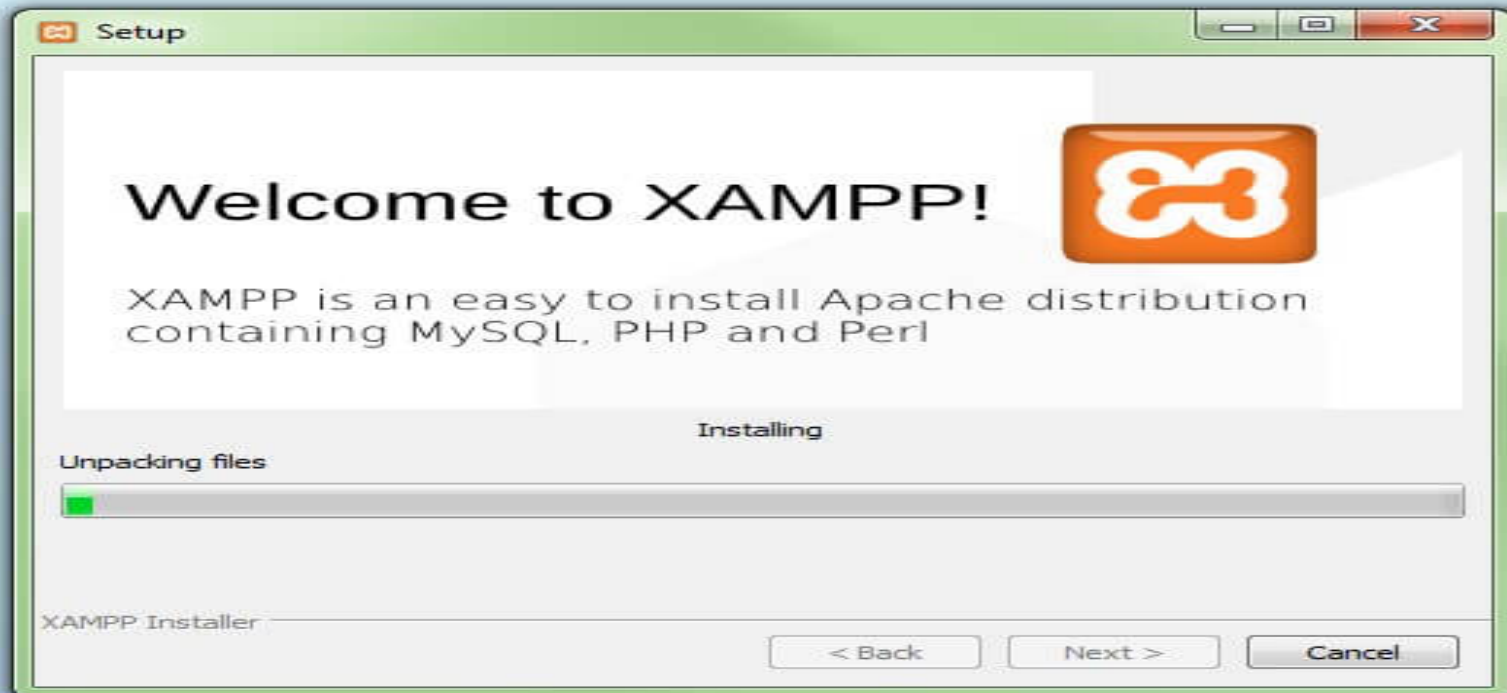
- Under 'Select Components', you have the option to exclude individual components of the XAMPP software bundle from the installation. But for a full local test server, we recommend you install using the standard setup and all available components. After making your choice, click 'Next'.



- **Step 7: Choose the installation directory**
- In this next step, you have the chance to choose where you'd like the XAMPP software packet to be installed. If you opt for the standard setup, then a folder with the name XAMPP will be created under C:\ for you. After you've chosen a location, click 'Next'.



- **Step 8: Start the installation process**
- Once all the mentioned preferences have been decided, click to start the installation. The setup wizard will unpack and install the selected components and save them to the designated directory.



- **Step 9: Windows Firewall blocking**

- Your Firewall may interrupt the installation process to block the some components of the XAMPP. Use the corresponding check box to enable communication between the Apache server and your private network or work network. Remember that making your XAMPP server available for public networks isn't recommended.

- **Step 10: Complete installation**

- Once all the components are unpacked and installed, you can close the setup wizard by clicking on 'Finish'. Click to tick the corresponding check box and open the XAMPP Control Panel once the installation process is finished.

Setup



Completing the XAMPP Setup Wizard

Setup has finished installing XAMPP on your computer.

☒ Do you want to start the Control Panel now?



< Back

Finish

Cancel

Starting modules

- Individual modules can be started or stopped on the XAMPP Control Panel through the corresponding buttons under 'Actions'. You can see which modules have been started because their names are highlighted green under the 'Module' title.

XAMPP Control Panel v3.2.2 [Compiled: Nov 12th 2015]



XAMPP Control Panel v3.2.2



Modules

Service	Module	PID(s)	Port(s)	Actions
<input type="checkbox"/>	Apache			Start Admin Config Logs
<input type="checkbox"/>	MySQL			Start Admin Config Logs
<input type="checkbox"/>	FileZilla			Start Admin Config Logs
<input type="checkbox"/>	Mercury			Start Admin Config Logs
<input type="checkbox"/>	Tomcat			Start Admin Config Logs

```
09:38:36 [main] Initializing Control Panel
09:38:36 [main] Windows Version: Windows 7 Professional SP1 64-bit
09:38:36 [main] XAMPP Version: 5.6.15
09:38:36 [main] Control Panel Version: 3.2.2 [ Compiled: Nov 12th 2015 ]
09:38:36 [main] You are not running with administrator rights! This will work for
09:38:36 [main] most application stuff but whenever you do something with services
09:38:36 [main] there will be a security dialogue or things will break! So think
09:38:36 [main] about running this application with administrator rights!
09:38:36 [main] XAMPP Installation Directory: "c:\xampp\"
09:38:36 [main] Checking for prerequisites
```

XAMPP Control Panel v3.2.2 [Compiled: Nov 12th 2015]



XAMPP Control Panel v3.2.2



Modules

Service	Module	PID(s)	Port(s)	Actions
<input type="checkbox"/>	Apache	8032 5884	80, 443	Stop Admin Config Logs
<input type="checkbox"/>	MySQL	5440	3306	Stop Admin Config Logs
<input type="checkbox"/>	FileZilla			Start Admin Config Logs
<input type="checkbox"/>	Mercury			Start Admin Config Logs
<input type="checkbox"/>	Tomcat			Start Admin Config Logs

```
09:38:36 [main] Checking for prerequisites
09:38:36 [main] All prerequisites found
09:38:36 [main] Initializing Modules
09:38:36 [main] Starting Check-Timer
09:38:36 [main] Control Panel Ready
09:39:32 [Apache] Attempting to start Apache app...
09:39:33 [Apache] Status change detected: running
09:39:35 [mysql] Attempting to start MySQL app...
09:39:36 [mysql] Status change detected: running
```


How to save and run php script

- After start server services you can write your php script using any editors like Notepad, Notepad++, Netbeans, etc.
- After write your code in editor you have to save your file using .php extension and give save as type of file All Files or PHP files.
- You have to save your file at Root Directory of your server e.g XAMPP/htdocs/FolderName
- To run your php script you have to open your web browser and write localhost/FolderName.(Folder name in which you save your file).
- Video Link for Installation:

https://www.youtube.com/watch?v=Hsfx_JrO2MA