

# How to set PHP development environment in windows ?

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- Difficulty Level : [Hard](#)
- Last Updated : 20 Sep, 2021

## What is PHP ?

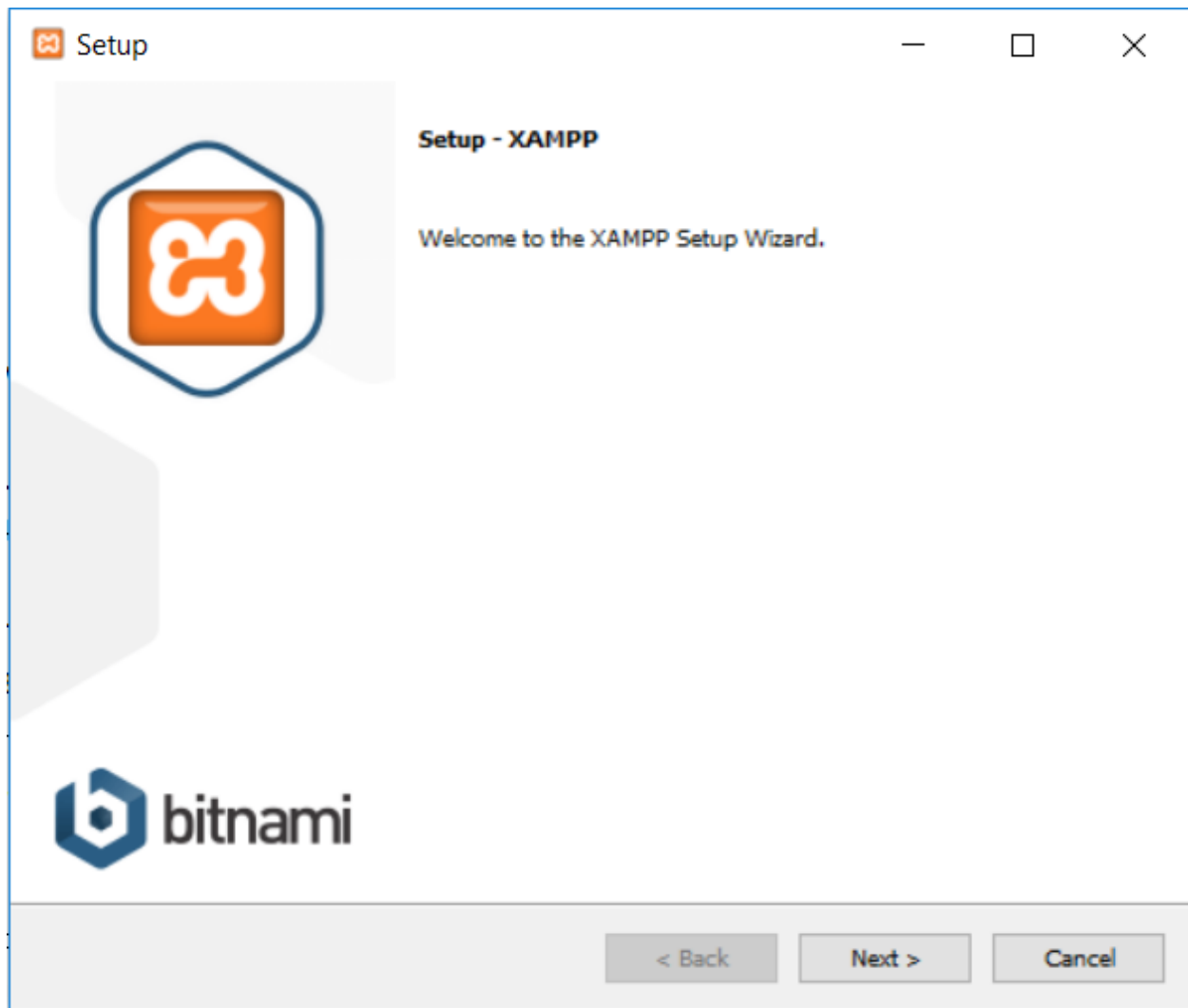
[PHP](#) (Hypertext PreProcessor) is a **general-purpose programming** language developed by **Rasmus Lerdorf** in 1994 for web development. This is one of the most popular programming language for beginners in web development because of its **simplicity, large community** and **accessibility**. **Steps to setup PHP environment on a local machine:** There are basically two ways to set up PHP on a local machine which are:

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

We are going to cover an **easy** and almost **error-free** method to install PHP on a local machine which is by using all in one package called **XAMPP**.

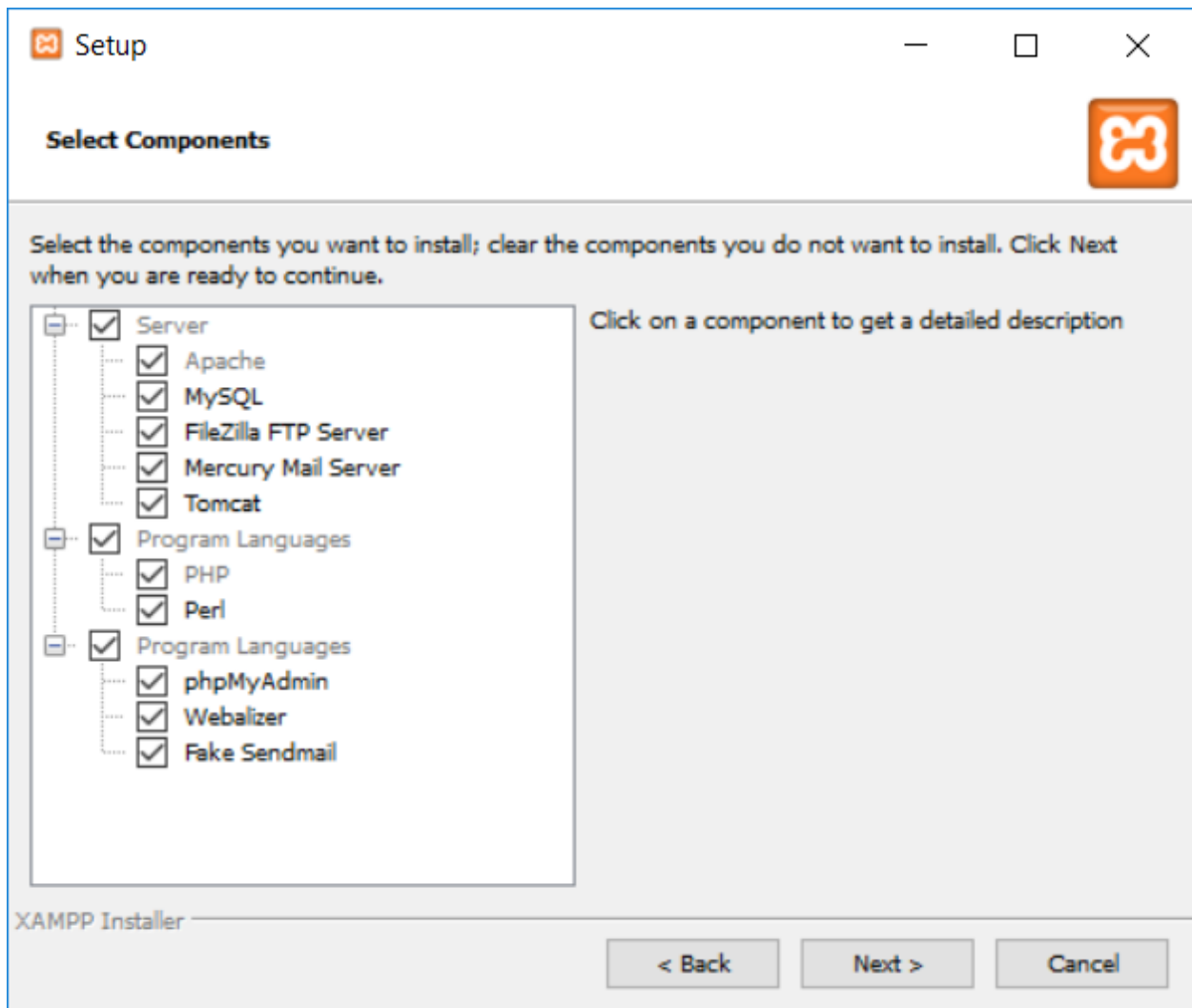
## Steps to Installing XAMPP:

- **Downloading XAMPP:** You can download the XAMPP software from the official website [here](#) with the latest windows version and latest PHP version.
- **Open the downloaded .exe file:** After opening the downloaded file you will see a popup from windows, click **yes** and proceed further.
- **Click on 'next':** You'll see a welcome window of XAMPP like below, click **next**.

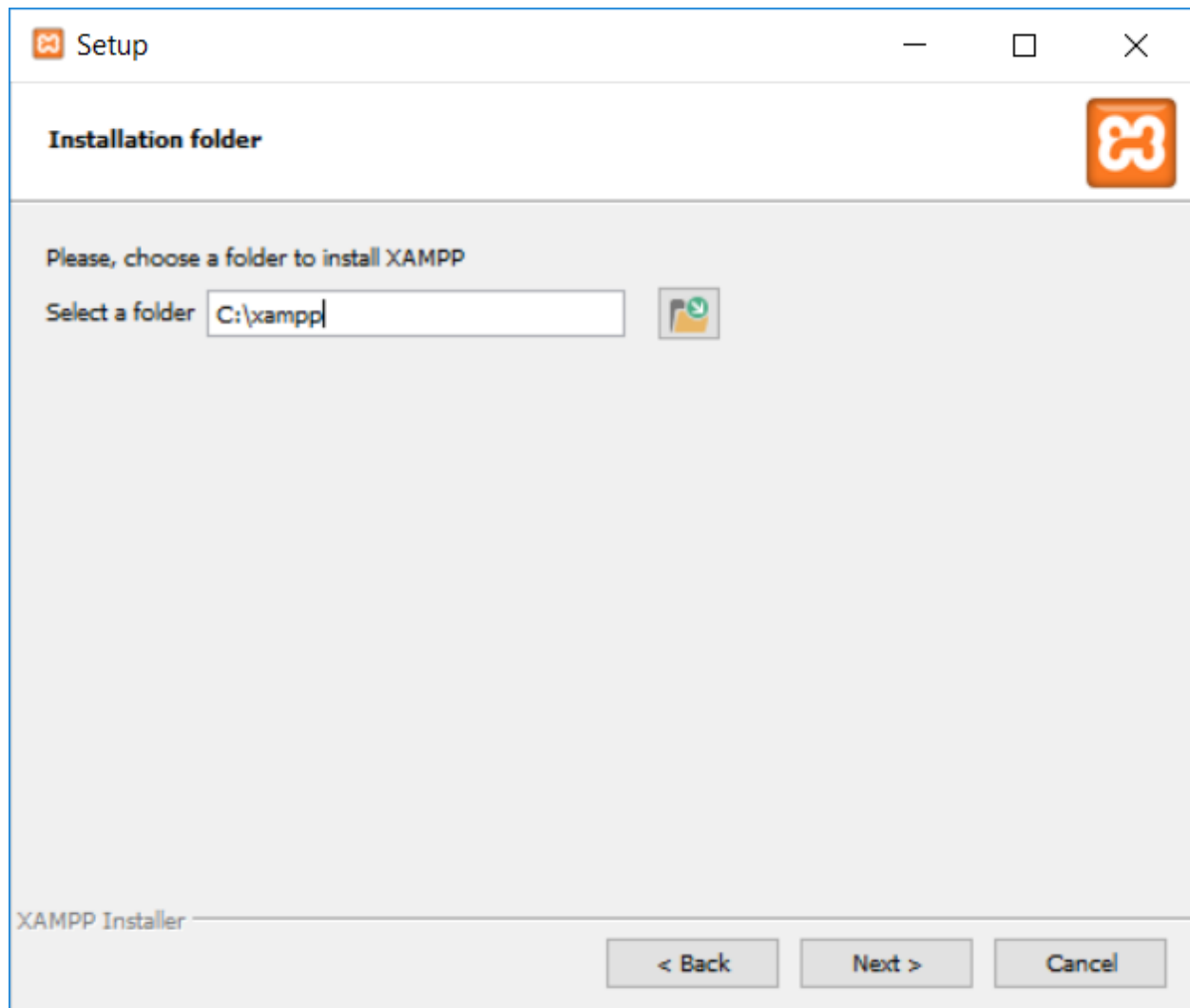


- **Select the components:** Select the components you want to install. Please select the **MySQL** and **phpMyAdmin** components, all other components are optional

for this tutorial.



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

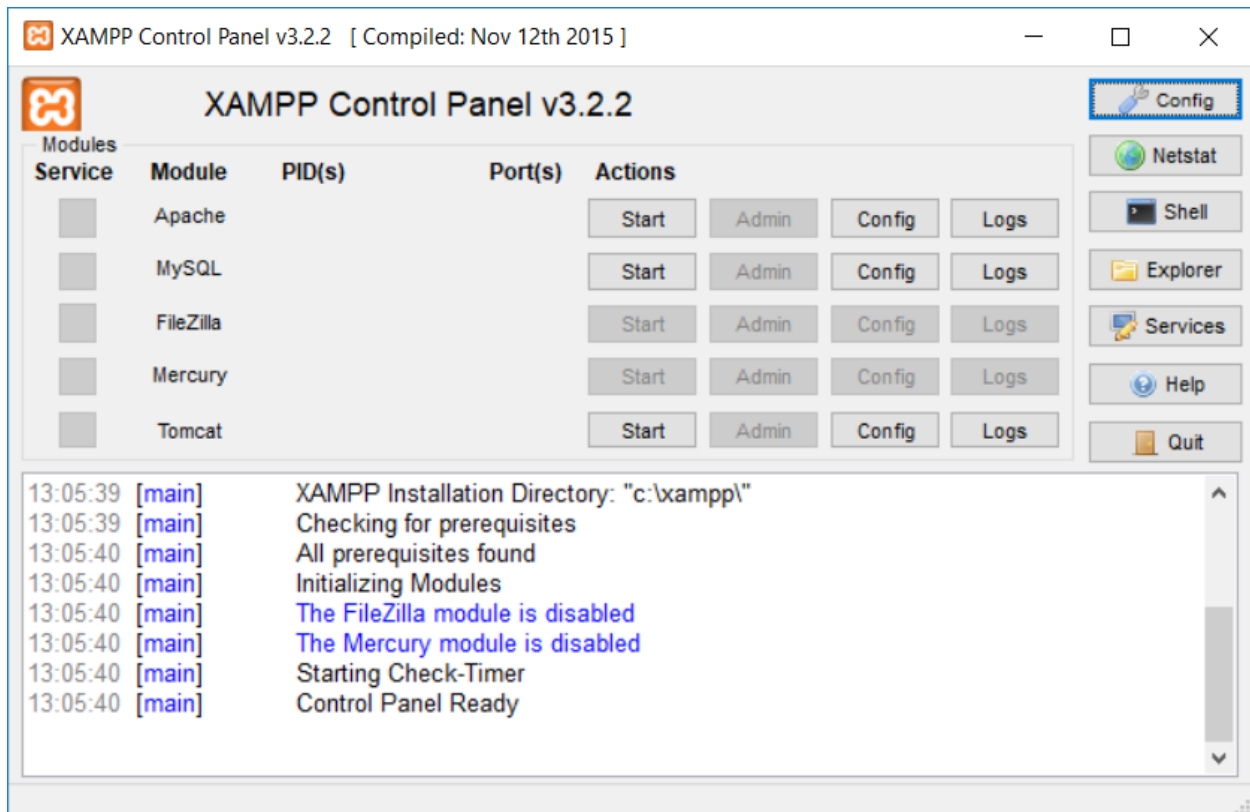


- **Click next:** Your clicking next, your installation will begin.



- **Open XAMPP control panel:** After successfully installing the XAMPP in your local machine open the control panel by searching in the windows search bar for 'XAMPP control panel' or by going to the installation directory of

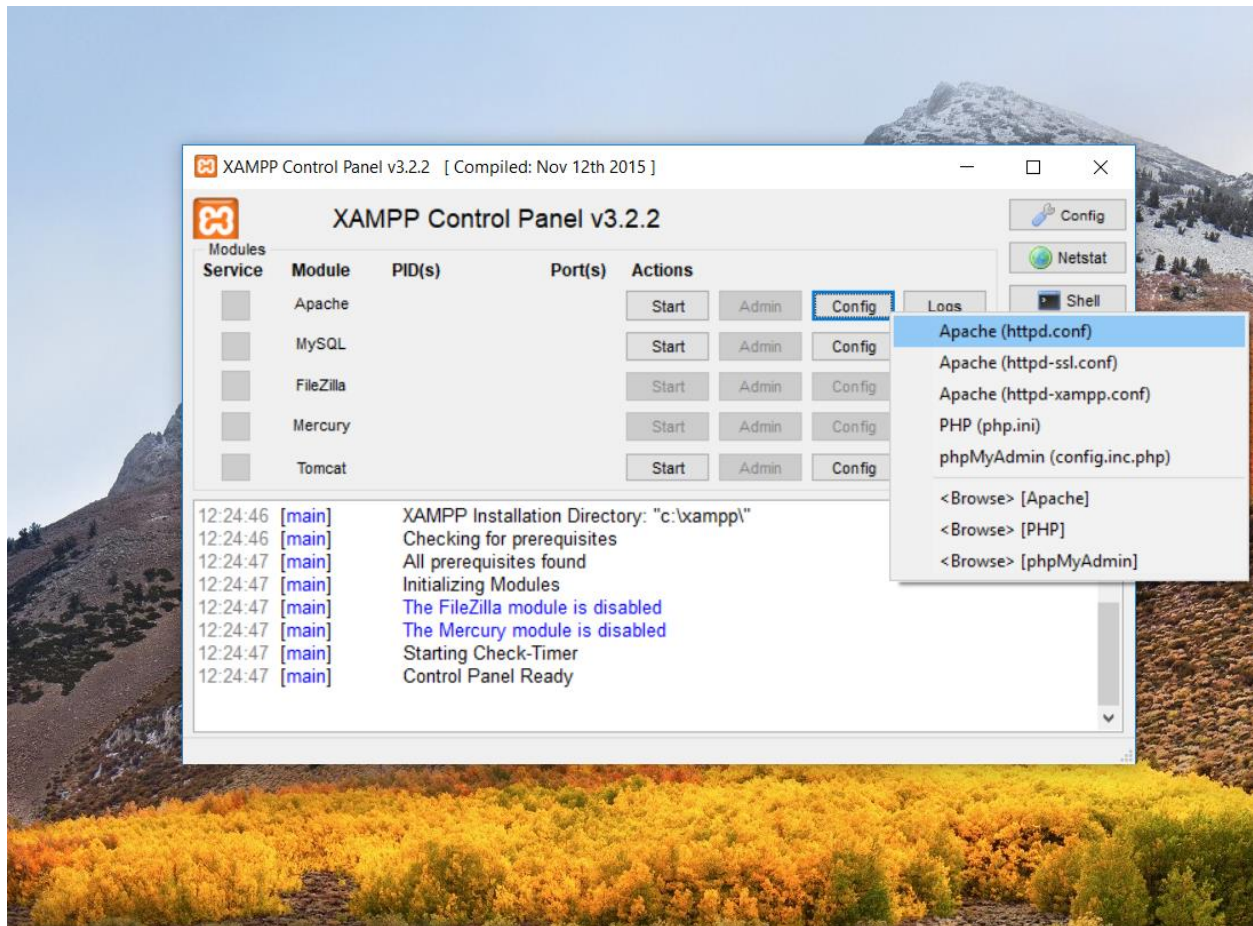
XAMPP. You'll see a window like below.



- **Configuring Apache\*:** This step is **optional** i.e. if you are having some **issues** on windows 10 related to **blocked port**.  
Open the configuration file for Apache



as shown in the image below.



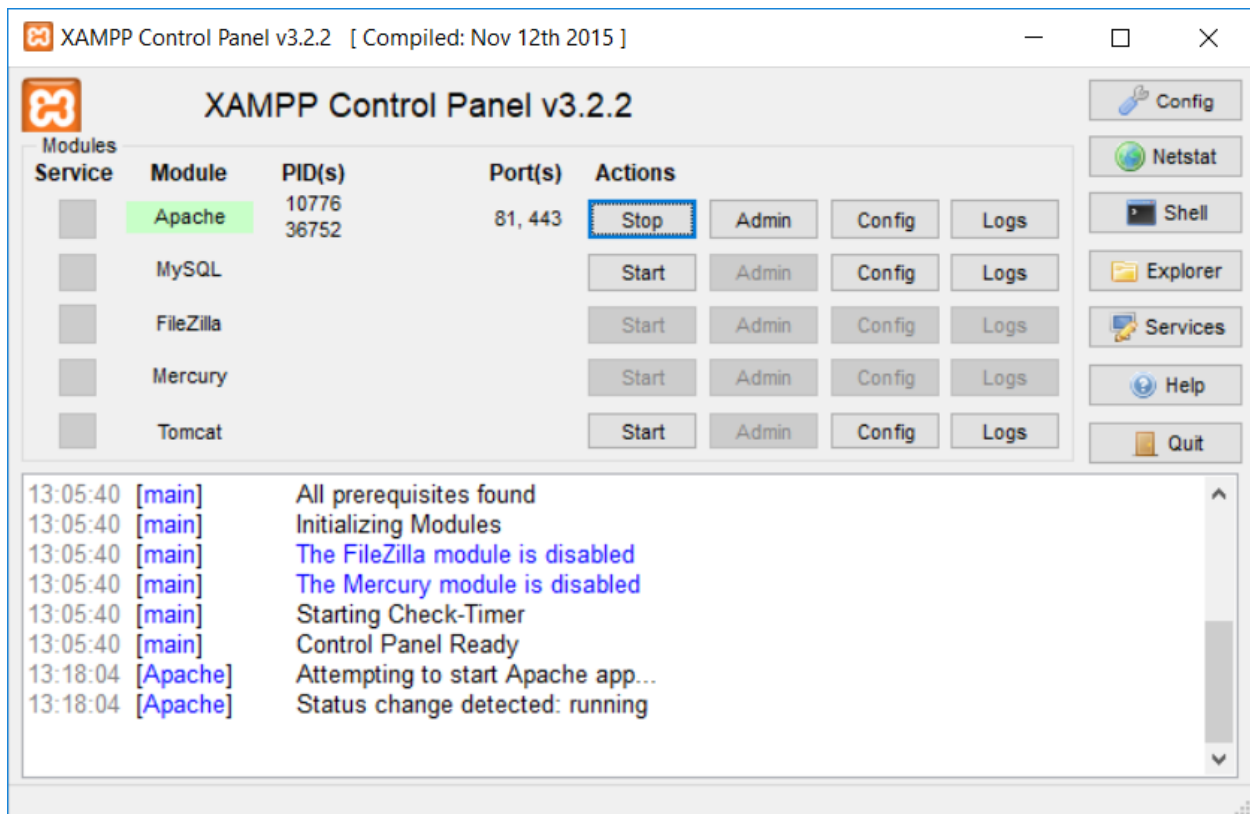
- Press CTRL + F and search for LISTEN 80. Replace the port **80** with something like **81** and save the file and restart control panel.



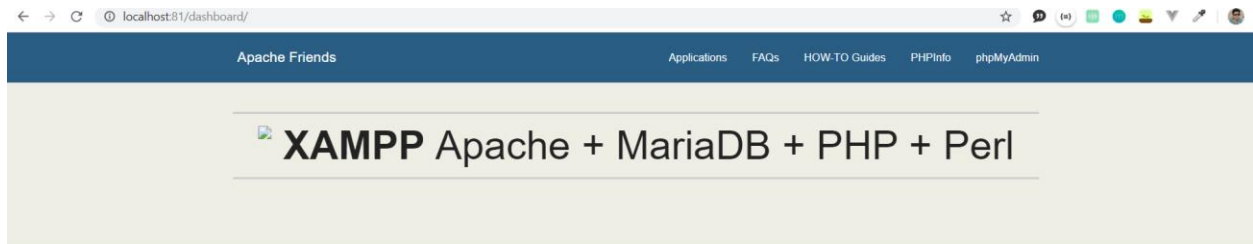
```
#
ServerRoot "C:/xampp/apache"

#
# Mutex: Allows you to set the mutex mechanism and mutex file directory
# for individual mutexes, or change the global defaults
#
# Mutex default:logs
#
# Listen: Allows you to bind Apache to specific IP addresses and/or
# ports, instead of the default. See also the <VirtualHost>
# directive.
#
# Change this to Listen on specific IP addresses as shown below to
# prevent Apache from glomming onto all bound IP addresses.
#
#Listen 12.34.56.78:80
Listen 80
```

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



- **Checking the installation:** Go to your browser and type **localhost:81** (or simply **localhost** in case you haven't changed the port). You'll see a page like below.



## 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+](#) circles.

Contribute to XAMPP translation at [translate.apachefriends.org](https://translate.apachefriends.org).

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

- `php`

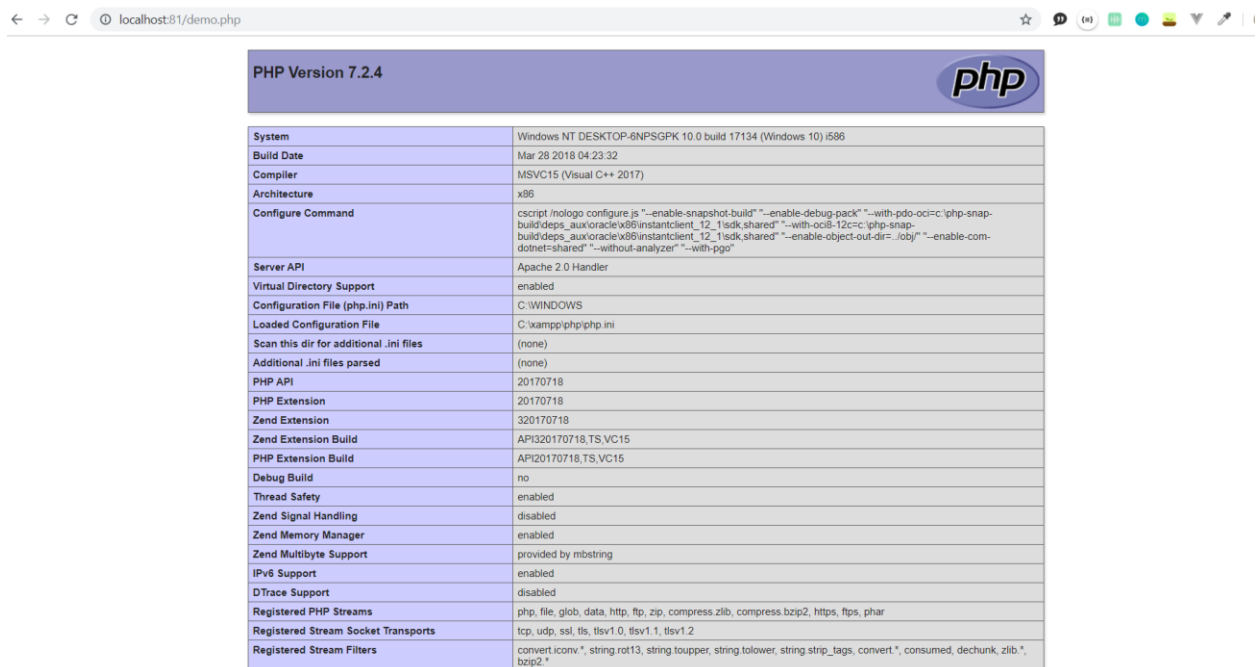
`<?php`

`echo phpinfo();`

?>

- Save the file as **demo.php** and go to your browser and type `localhost:81/demo.php` (or simply **localhost/demo.php** in case you haven't changed the port).

If the installation goes fine you'll see a result like below.



The screenshot shows a web browser window with the address bar displaying `localhost:81/demo.php`. The page content is the PHP information page for version 7.2.4, which includes a table of system and configuration details.

PHP Version 7.2.4	
System	Windows NT DESKTOP-6NPSGPK 10.0 build 17134 (Windows 10) i586
Build Date	Mar 28 2018 04:23:32
Compiler	MSVC15 (Visual C++ 2017)
Architecture	x86
Configure Command	<code>cscript /nologo configure.js "--enable-snapshot-build" "--enable-debug-pack" "--with-pdo-oci=c:\php-snap-build\deps_aux\oracle\x86\instantclient_12_1sdk\shared" "--with-oci8-12c=c:\php-snap-build\deps_aux\oracle\x86\instantclient_12_1sdk\shared" "--enable-object-out-dir=.obj" "--enable-com-dotnet=shared" "--without-analyzer" "--with-pgo"</code>
Server API	Apache 2.0 Handler
Virtual Directory Support	enabled
Configuration File (php.ini) Path	C:\WINDOWS
Loaded Configuration File	C:\xampp\php\php.ini
Scan this dir for additional .ini files	(none)
Additional .ini files parsed	(none)
PHP API	20170718
PHP Extension	20170718
Zend Extension	320170718
Zend Extension Build	API320170718,TS,VC15
PHP Extension Build	API20170718,TS,VC15
Debug Build	no
Thread Safety	enabled
Zend Signal Handling	disabled
Zend Memory Manager	enabled
Zend Multibyte Support	provided by mbstring
IPv6 Support	enabled
DTrace Support	disabled
Registered PHP Streams	php, file, glob, data, http, ftp, zip, compress.zlib, compress.bzip2, https, ftps, phar
Registered Stream Socket Transports	tcp, udp, ssl, tls, tlsv1.0, tlsv1.1, tlsv1.2
Registered Stream Filters	convert.iconv.*, string.rot13, string.toupper, string.tolower, string.strip_tags, convert.*, consumed, dechunk, zlib.*, bzip2.*

- . If all the above things have gone fine then Congratulations! you have successfully set up a PHP development environment in your local machine.