

CST8285: Web Programming

Pre-lab

Objectives

Tool Installation

- Installing and testing XAMPP. XAMPP includes Apache (web server), MySQL (database), PHP (language)
- Installing Latest Visual Studio Code

Installing Latest Visual Studio Code

vscode is similarly easy to install. Installers for the current stable version are available at <https://code.visualstudio.com/>.

You should watch the “Getting Started” video at <https://code.visualstudio.com/docs/introvideos/basics>

in order to get a lightning overview of the basic interface

Installing Latest XAMPP

Please read the installation tutorial and tips carefully before you start the installation process

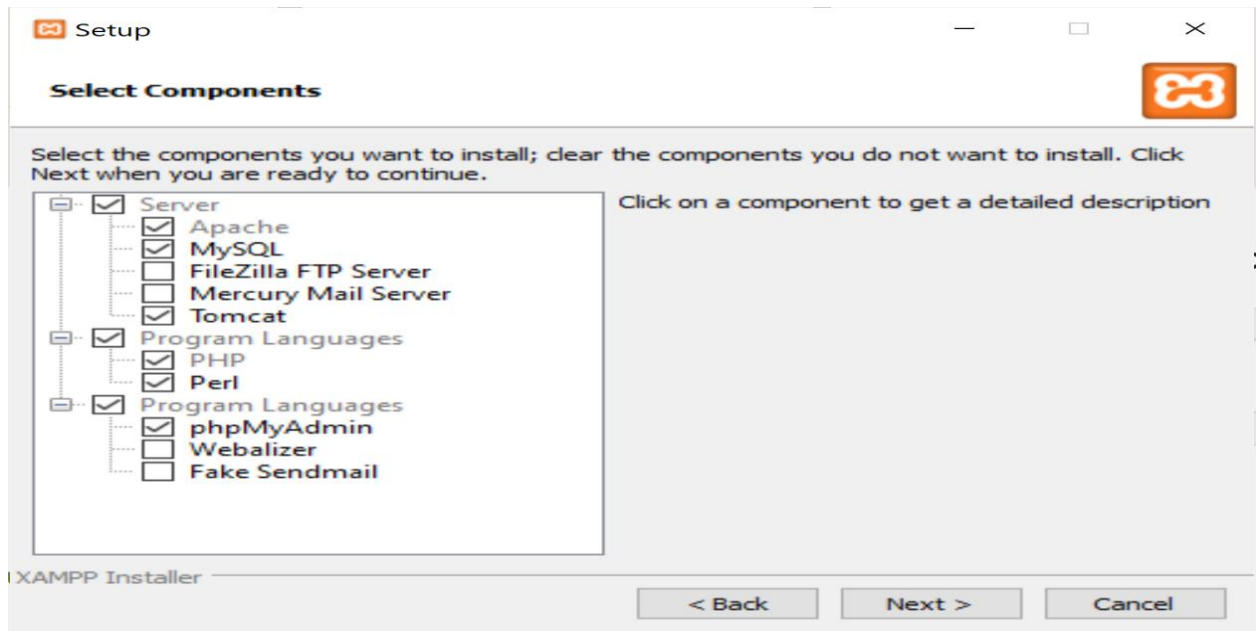
There are many environments, IDEs & Frameworks to use to develop with PHP. Instructors of the course will use XAMPP to demonstrate contents, please find **installation tutorial** below

<https://pureinfotech.com/install-xampp-windows-10/>

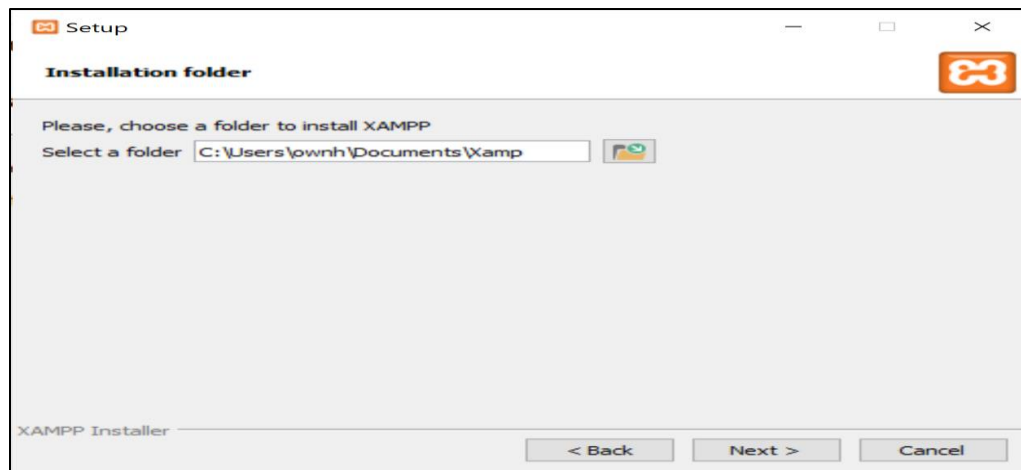
You are not forced to use XAMPP, you can use one of your choice that you may have experience with, but have in mind that the support of your tool of choice is not within the scope of this course.

Important tips during installation:

- Select the following components

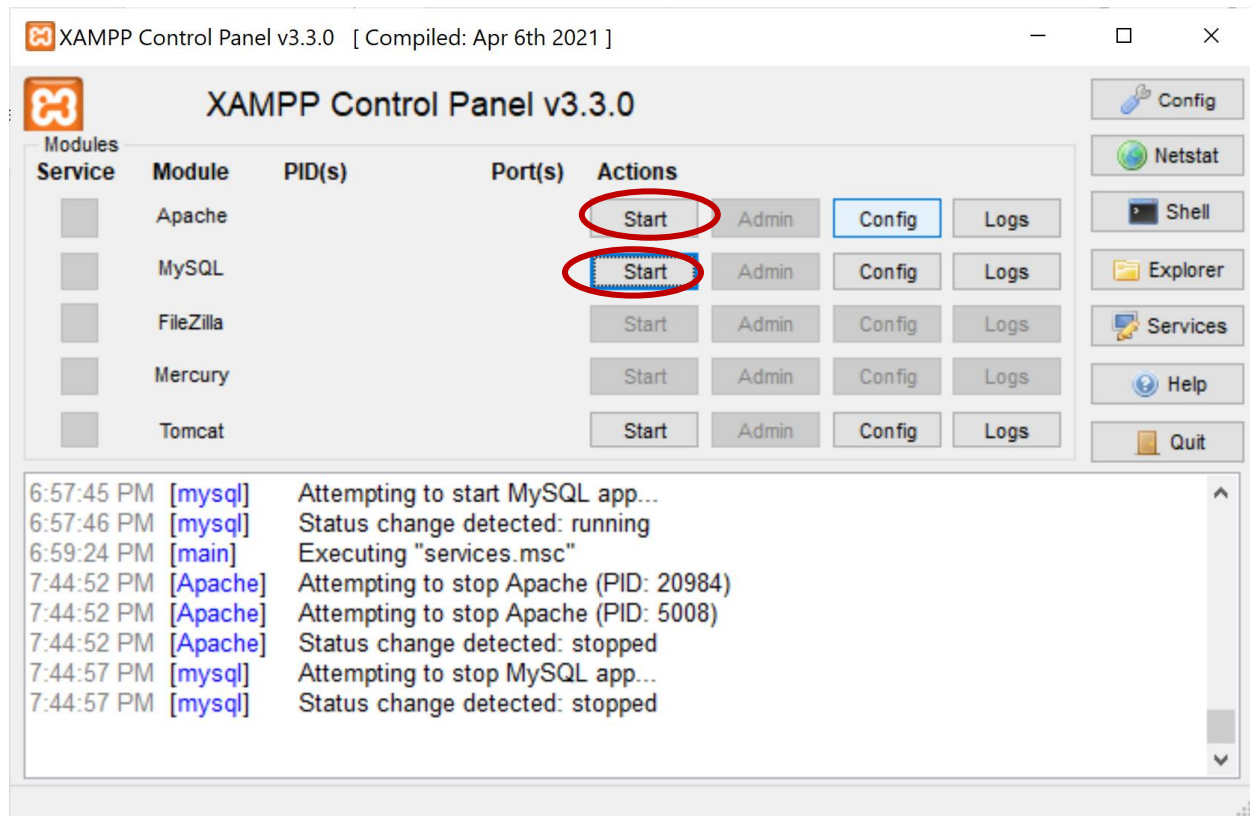


- Don't install Xampp under c folder, please choose any other folder for example you can create a folder inside your Documents like the following figure:



- After finish the instillation, Now, you should have a new “XAMPP Control Panel” icon on your desktop

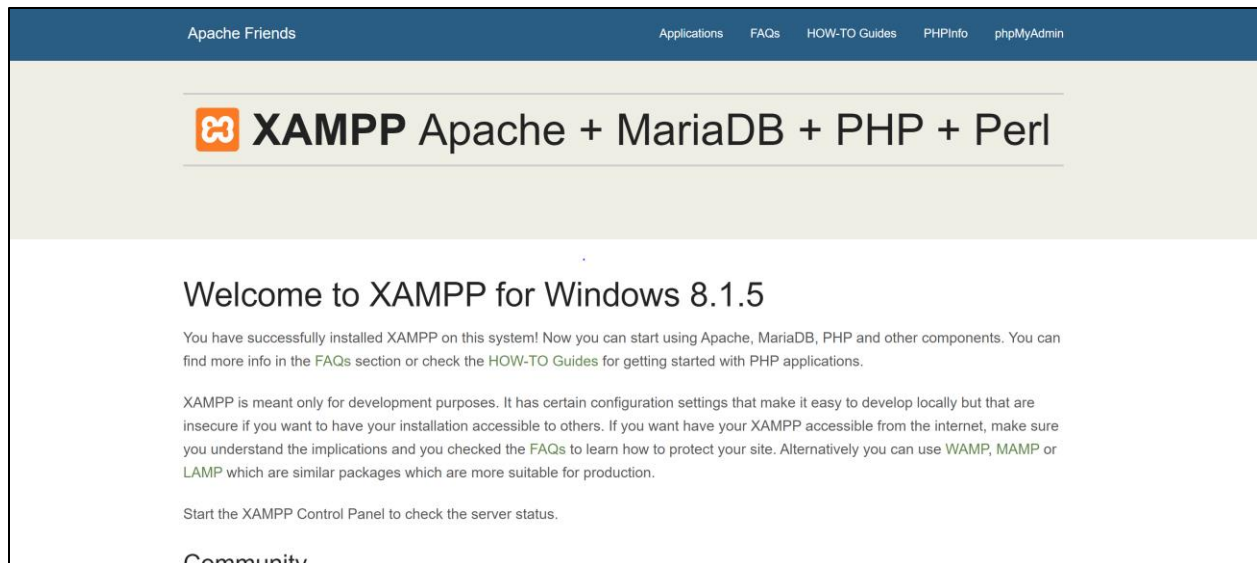
Start “Apache” and “MySQL” and test your installation



Module administration

You have an ‘Admin’ option located on the Control Panel for every module in your XAMPP.

- Click on the Admin button of your Apache server to go to the web address of your web server. The Control Panel will now start in your standard browser, and you’ll be led to the **dashboard of your XAMPP’s local host**. Alternatively, you can reach the dashboard through `localhost/dashboard/`.



Testing your XAMPP installation

Test Apache

To check whether your test server is installed and configured correctly, you have the option to create a **PHP test page**, store them on your XAMPP's local host, and retrieve them via the web browser.

- Open the XAMPP directory through the 'Explorer' button in the Control Panel and choose the folder *htdocs* . This directory will store file data collected for web pages that you test on your XAMPP server. The *htdocs* folder should already contain data to help configuration of the web server. But you should store your own projects in a new folder (like 'Test Folder' for example).
- You can create a new PHP page easily by using the following content in your editor and storing it as *test.php* in your ' *Test* ' folder

```
<!DOCTYPE html>
<html>

<head lang="en">
  <meta charset="utf-8">
  <title>My Fist Web Page</title>
</head>

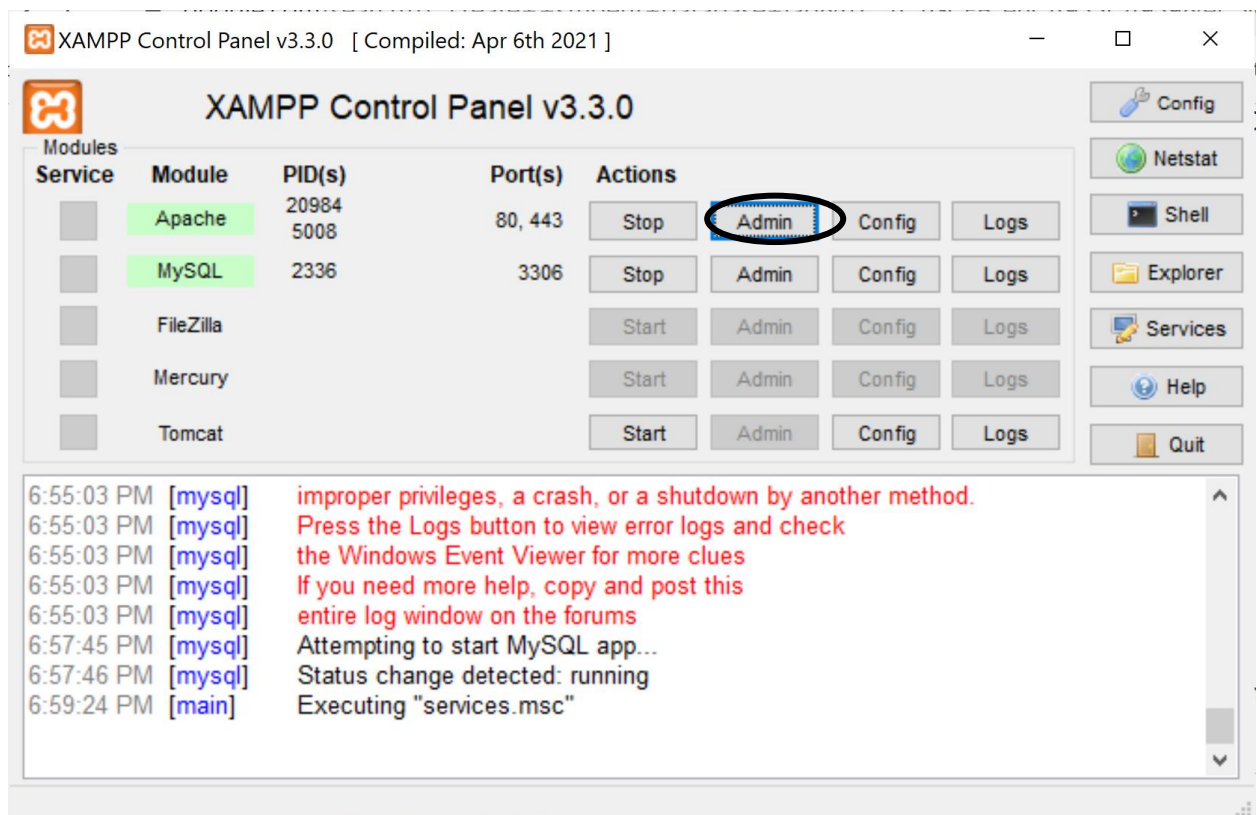
<body>

  <?php echo '<p>Hello World</p>'; ?>
```

```
</body>
```

```
</html>
```

- Click on the Admin button.

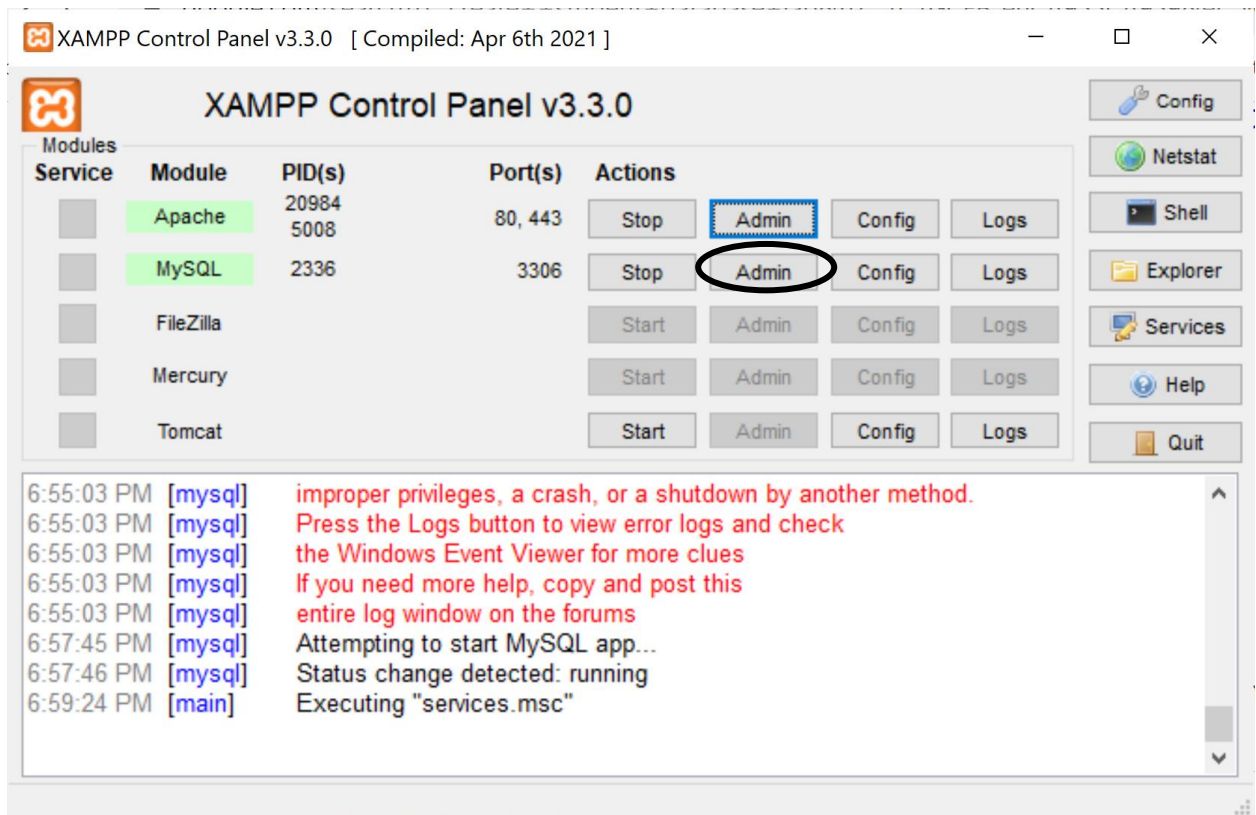


- update the path to be *localhost/Test/test.php*. If your browser window displays the words 'Hello World', then you've successfully installed and configured your XAMPP.



Test MySQL

Click on the Admin button of your **MySQL**



it should look like the following figure

