

Tutorial 12: *Programming with AJAX*

WampServer Installation Instructions

WAMP, LAMP, and MAMP

- **WAMP** is an acronym for **A**pache, **M**ySQL, and **P**HP on **W**indows.
- **LAMP** is an acronym for **A**pache, **M**ySQL, and **P**HP on **L**inux.
- **MAMP** is an acronym for **A**pache, **M**ySQL, and **P**HP on **M**acintosh.

Apache, PHP, and MySQL

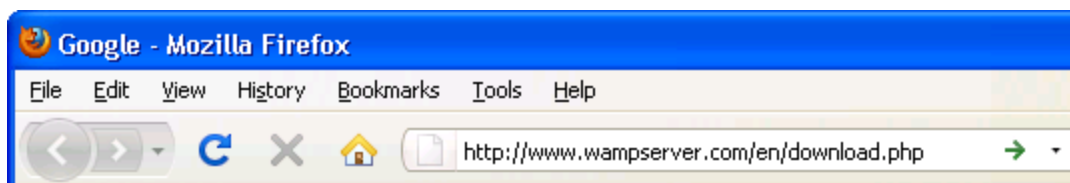
- **Apache** is a free open source Web server. *Apache* has been the most popular web server on the Internet since April 1996. According to a recent Netcraft survey 62% of all Web sites on the Internet are using Apache. This makes *Apache* more widely used than all other Web servers combined. Microsoft's Web server named Microsoft *IIS* has less than a third of the market share.
- **PHP** is a free open source scripting language designed for producing dynamic, database-driven web pages. PHP is a recursive acronym for "PHP: Hypertext Preprocessor". PHP is installed on more than 20 million websites and 1 million web servers.
- **MySQL** is a free open source relational database management system (RDBMS). *MySQL* has more than 11 million installations.

WampServer will quickly and easily install and configure a complete personal Web server for you. *WampServer* is a free to use open source project that installs and configures Apache, MySQL, and PHP on a Windows computer. With *WampServer* you don't need to install the individual software components separately.

Step 1 of 25

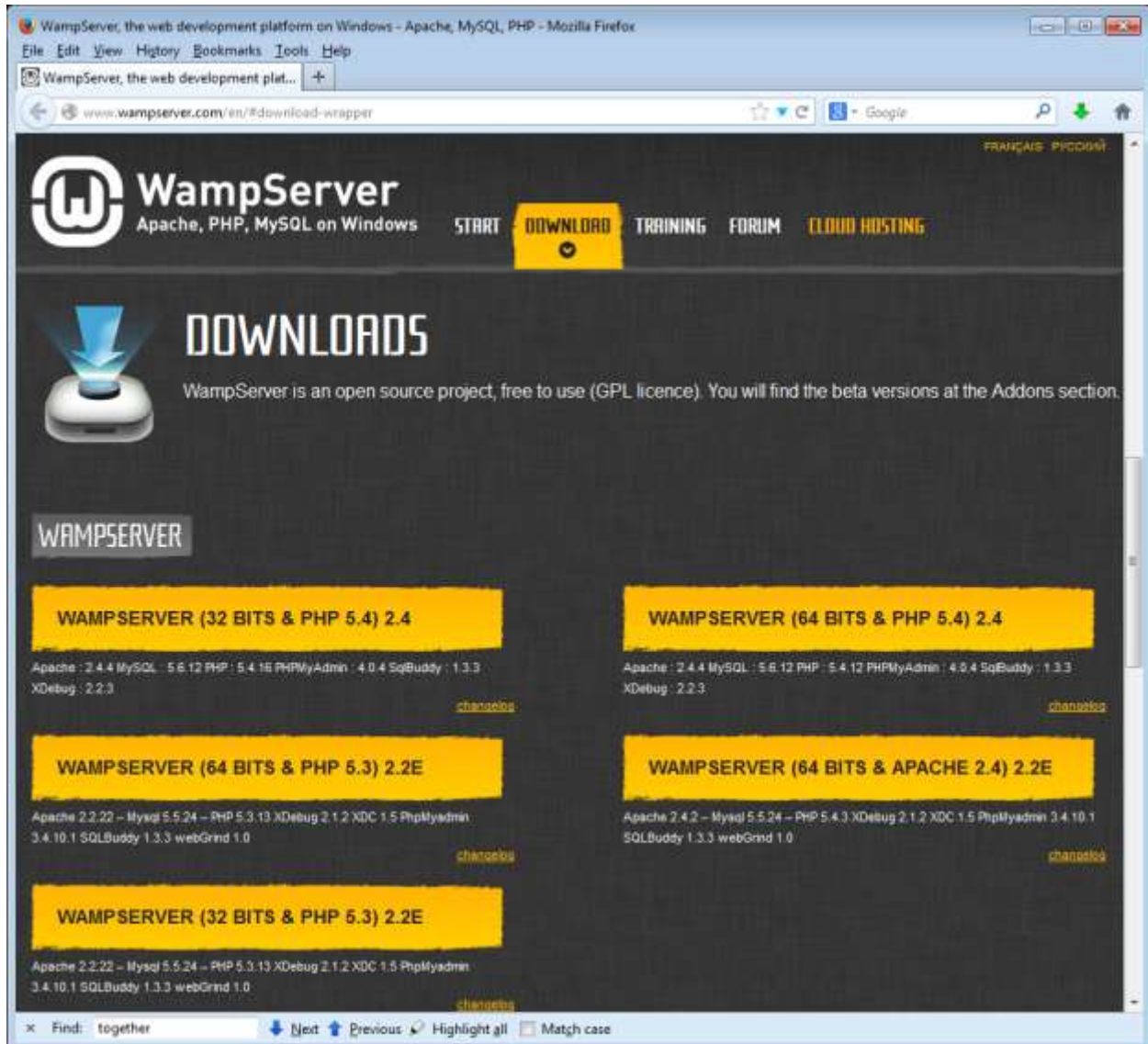
Open a Web browser and go to the **WampServer** download page at <http://www.wampserver.com/en/download.php>

In this example the Mozilla **Firefox** Web browser is being used.



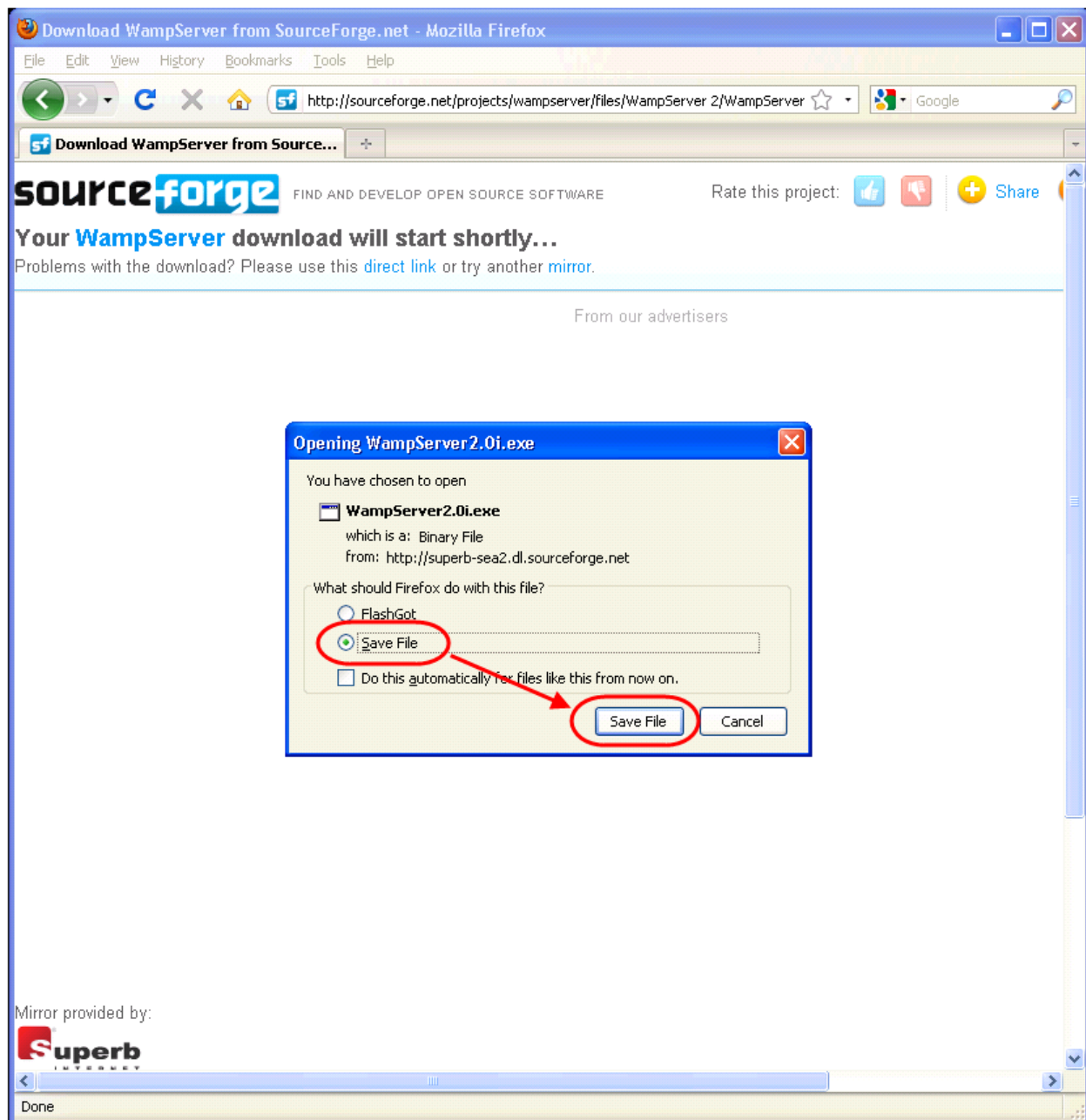
Step 2 of 25

Click on the **DOWNLOAD** tab to download the appropriate *WampServer* software version to your computer.



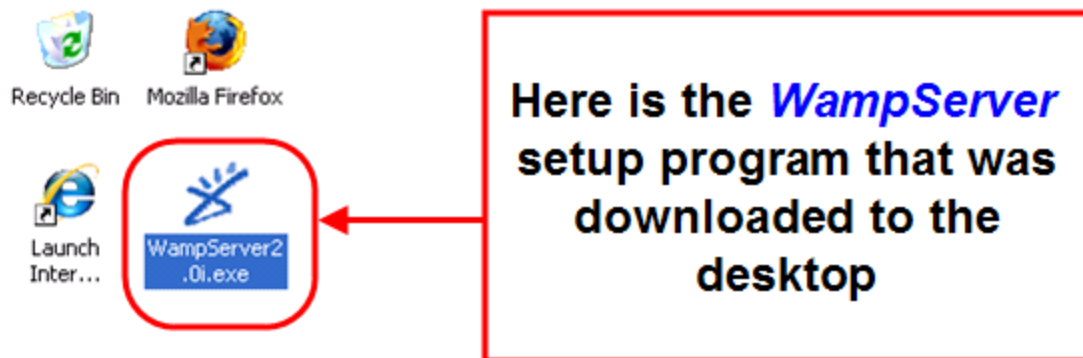
Step 3 of 25

Choose the **Save File** option and then click the *Save File* button.

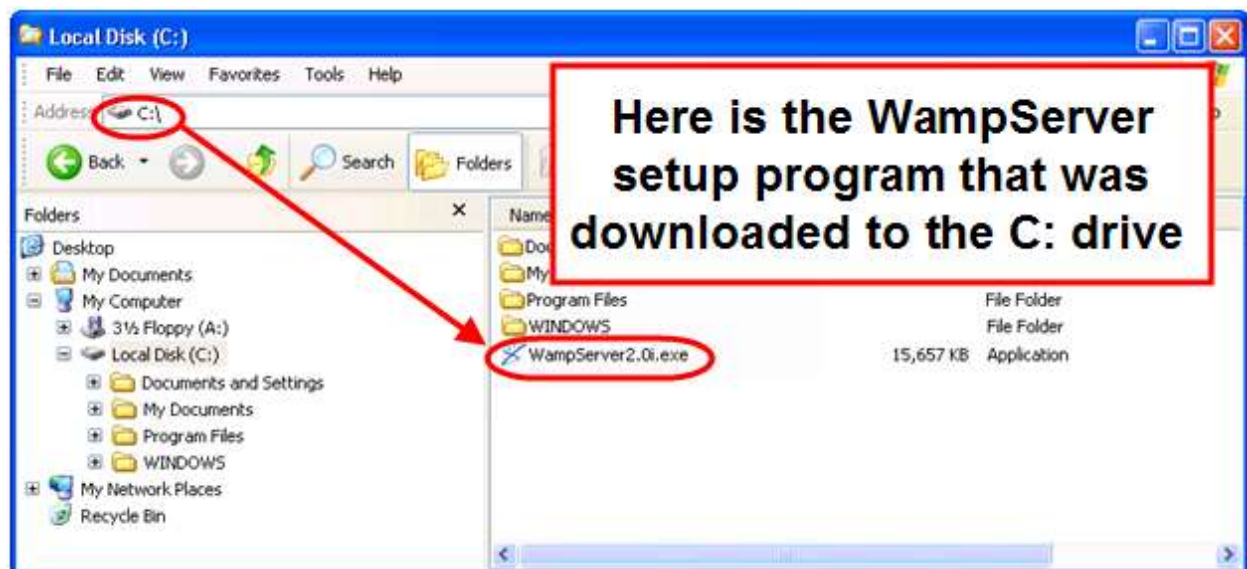


Step 4 of 25

Here is an example of what the downloaded *WampServer* setup program would look like if it were saved to the [desktop](#).



Here is an example of what the *WampServer* setup program would look like if it were saved to the root folder of the [C: drive](#).



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Wherever you downloaded your *WampServer* setup program, double click on it to start the installation.

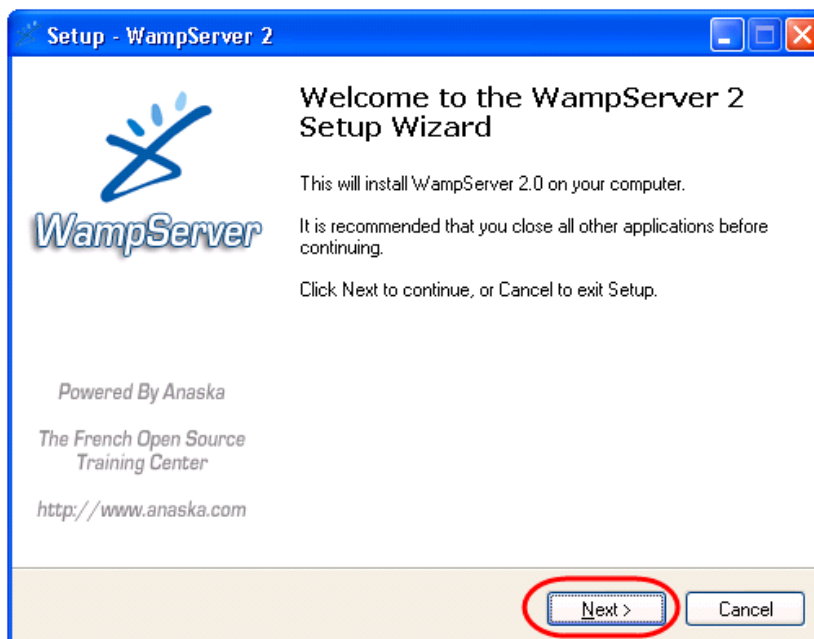
Step 6 of 25

Click the **Run** button.



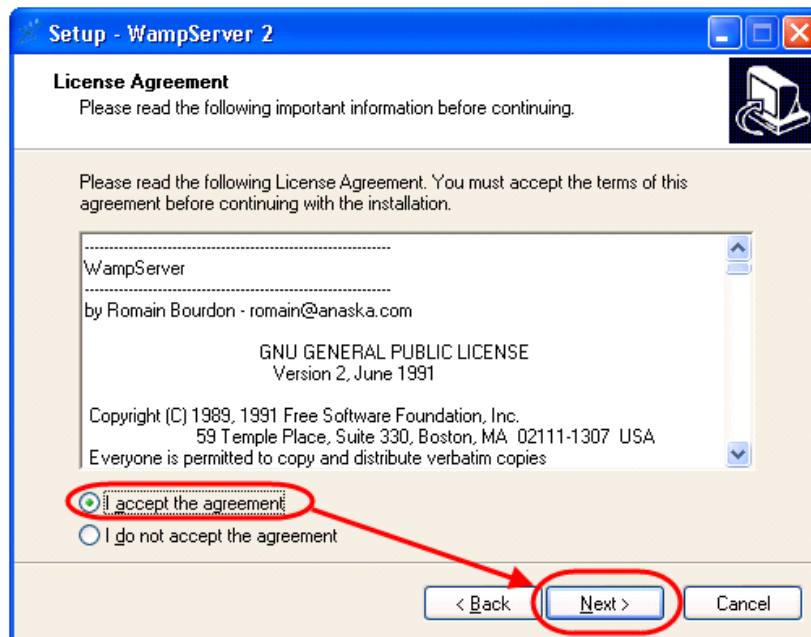
Step 7 of 25

Click the **Next** button \.



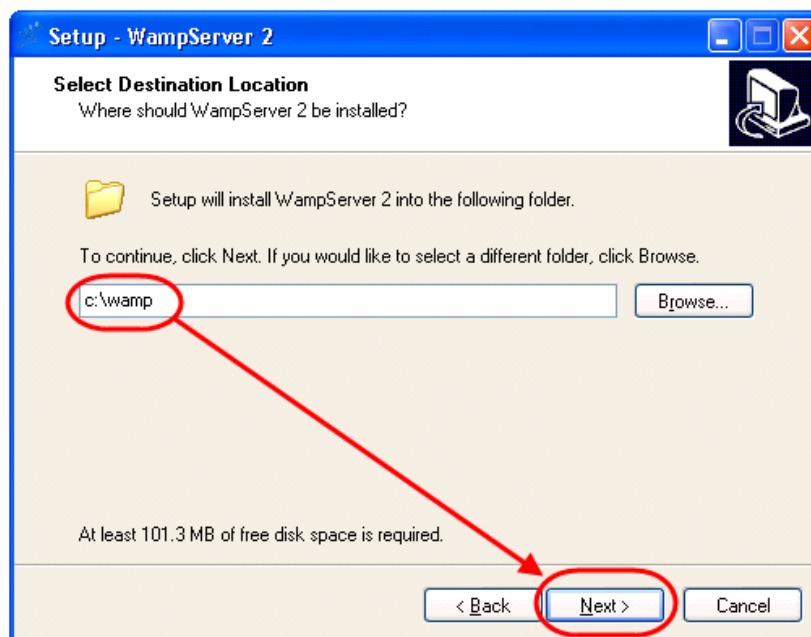
Step 8 of 25

Select the **I accept the agreement** option, then click the **Next** button \.



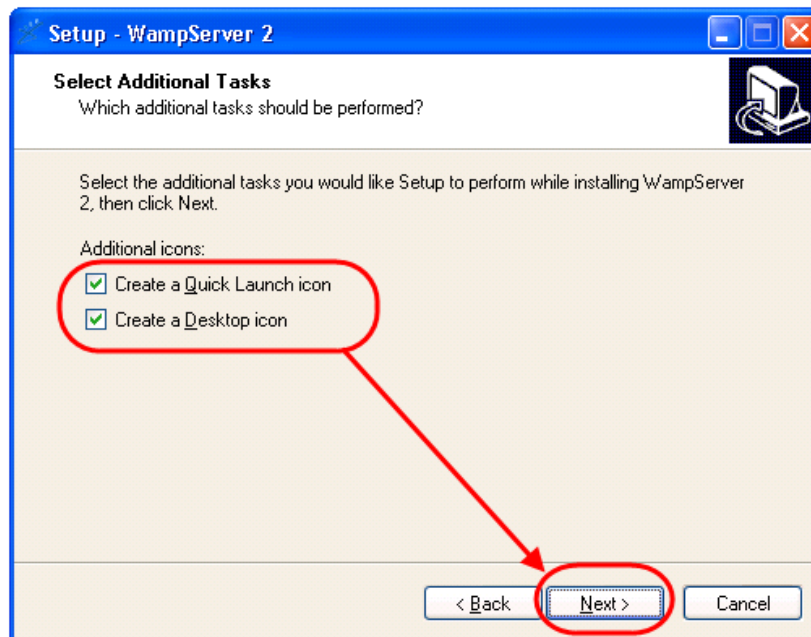
Step 9 of 25

Keep the default installation folder of **c:\wamp** and then click the **Next** button.



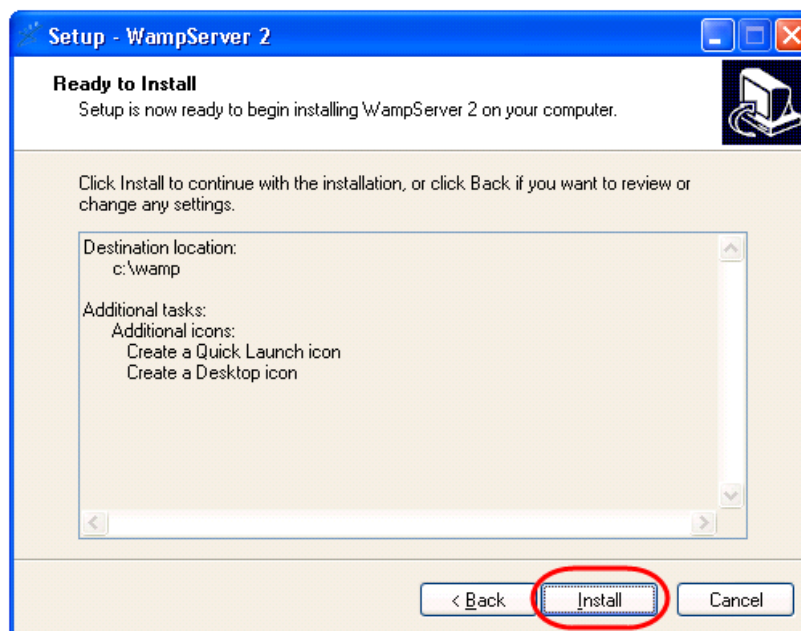
Step 10 of 25

Accept the default additional icons and then click the [Next](#) button.



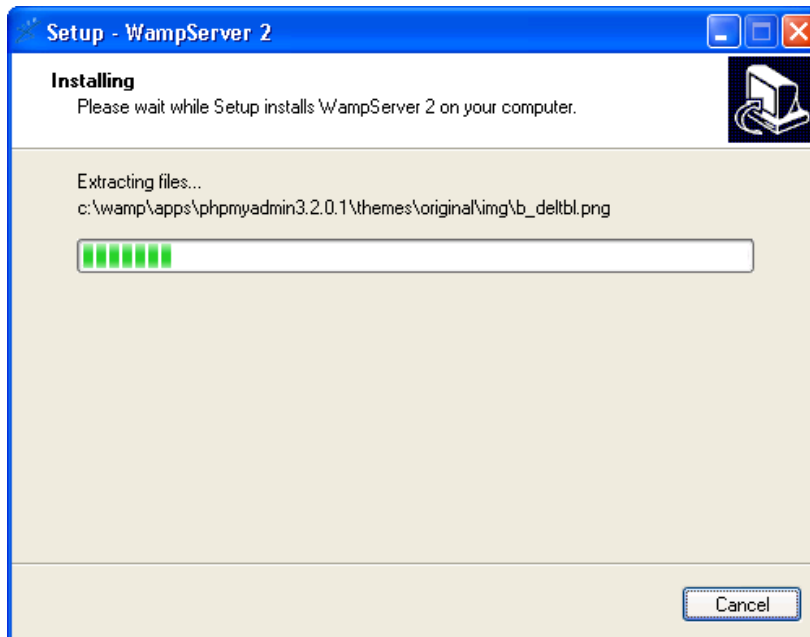
Step 11 of 25

Click the [Next](#) button.

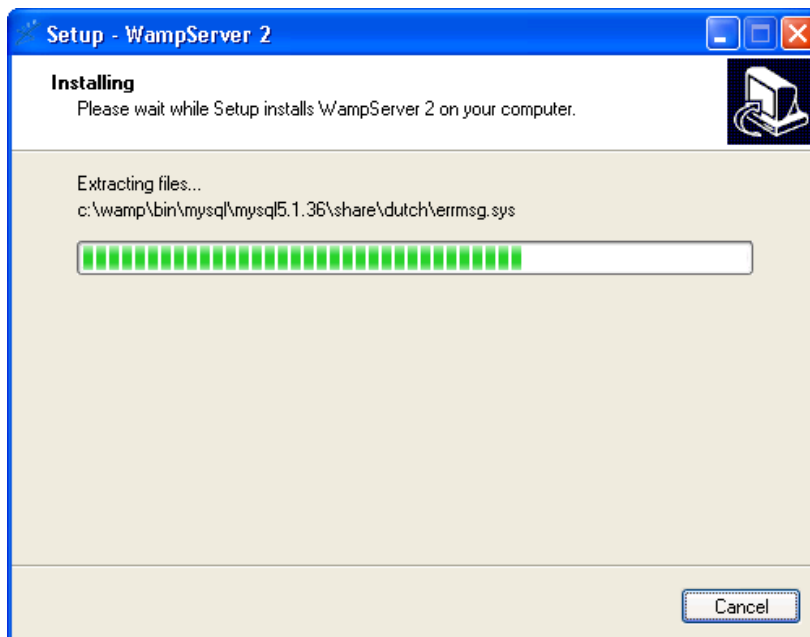


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Here is a picture of the *WampServer* installation in progress.

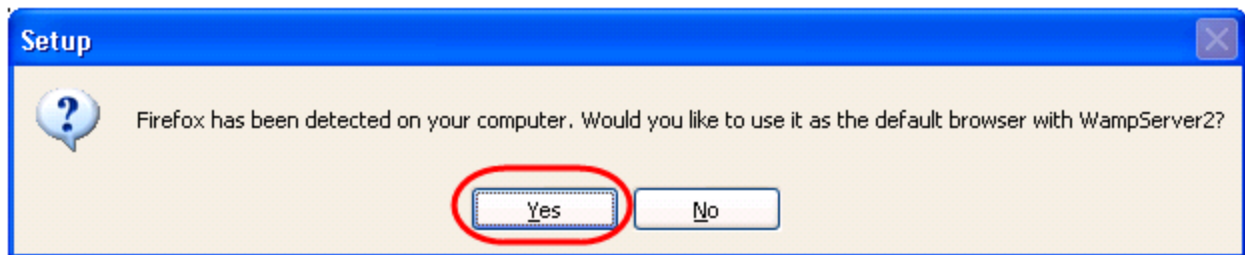


Here is another picture of the *WampServer* installation in progress.



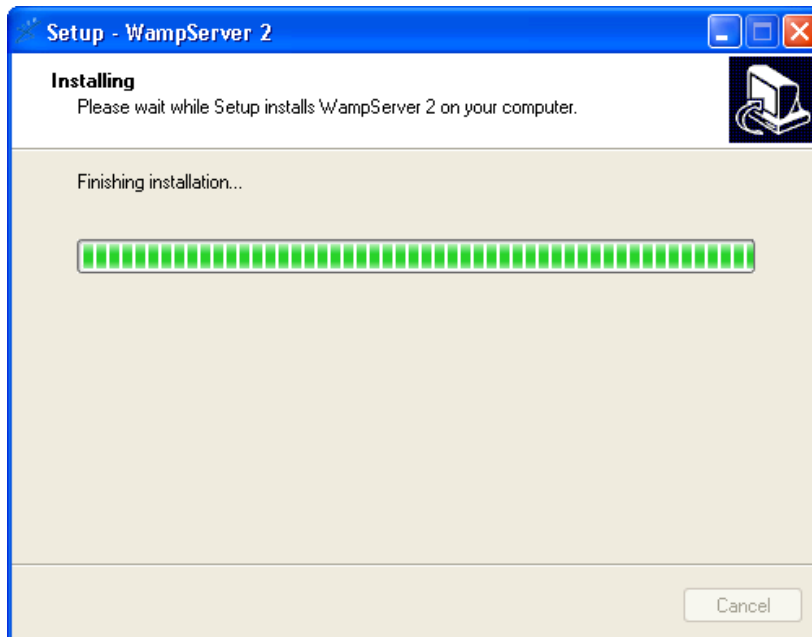
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Click the **Yes** button.



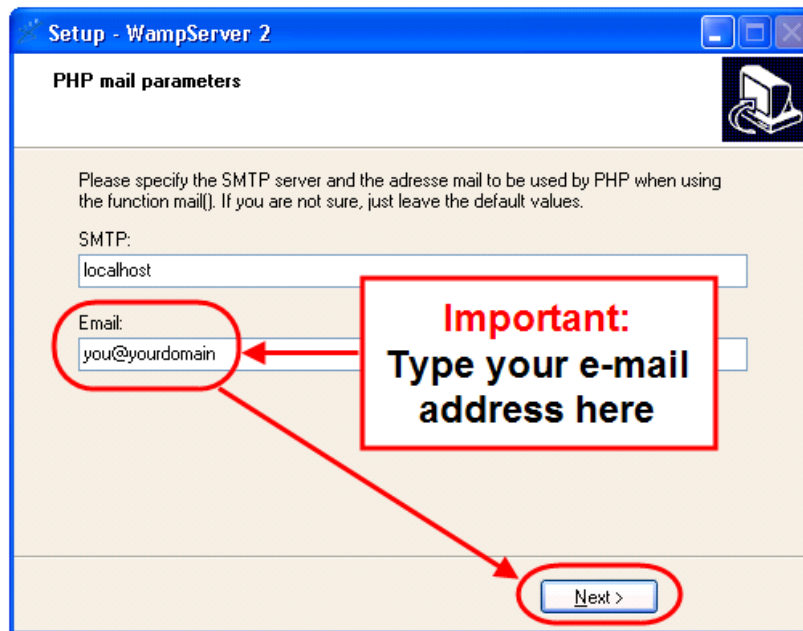
Step 14 of 25

Here is a picture of the *WampServer* installation completing.



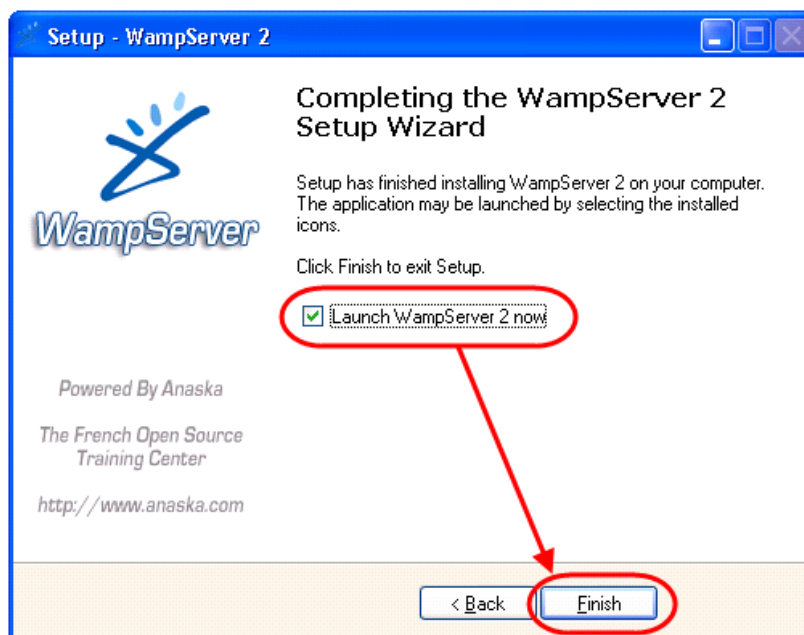
Step 15 of 25

Type in your e-mail address and click the [Next](#) button.



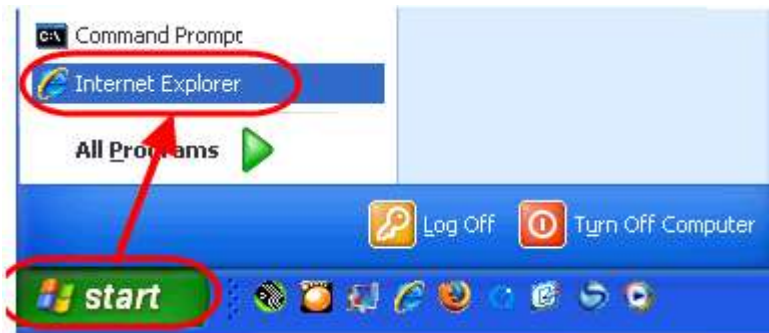
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Select the [Launch WampServer 2 now](#) option and click the [Finish](#) button.



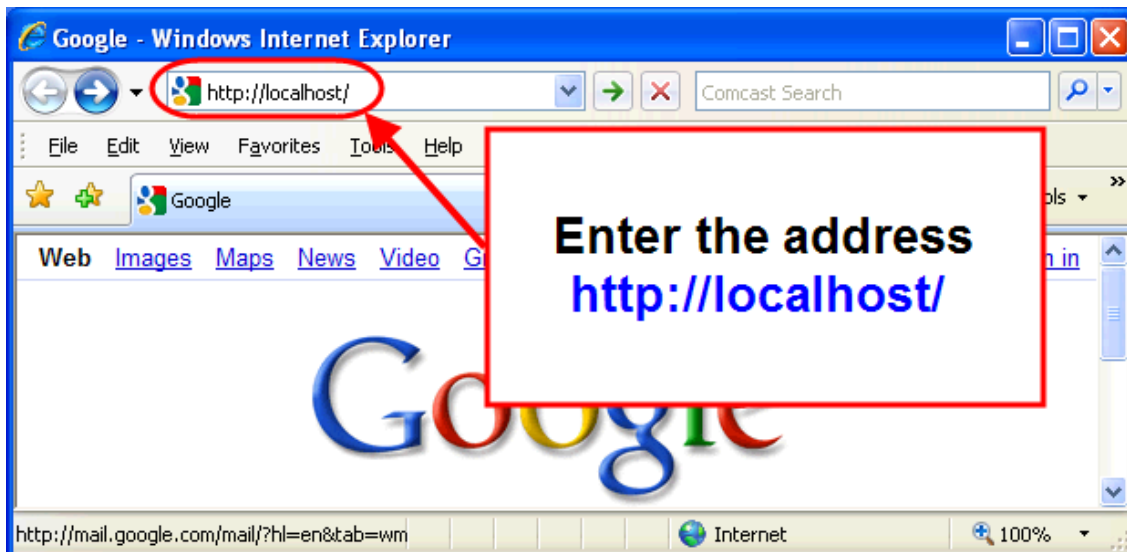
Step 17 of 25

The first step to see if you have successfully installed *WampServer* is to [open any Web browser](#). In this example the Web browser named Microsoft *Internet Explorer* is being used. You can also use Mozilla *Firefox* or any Web browser that you choose.



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Enter the address <http://localhost/> into the Web browser.

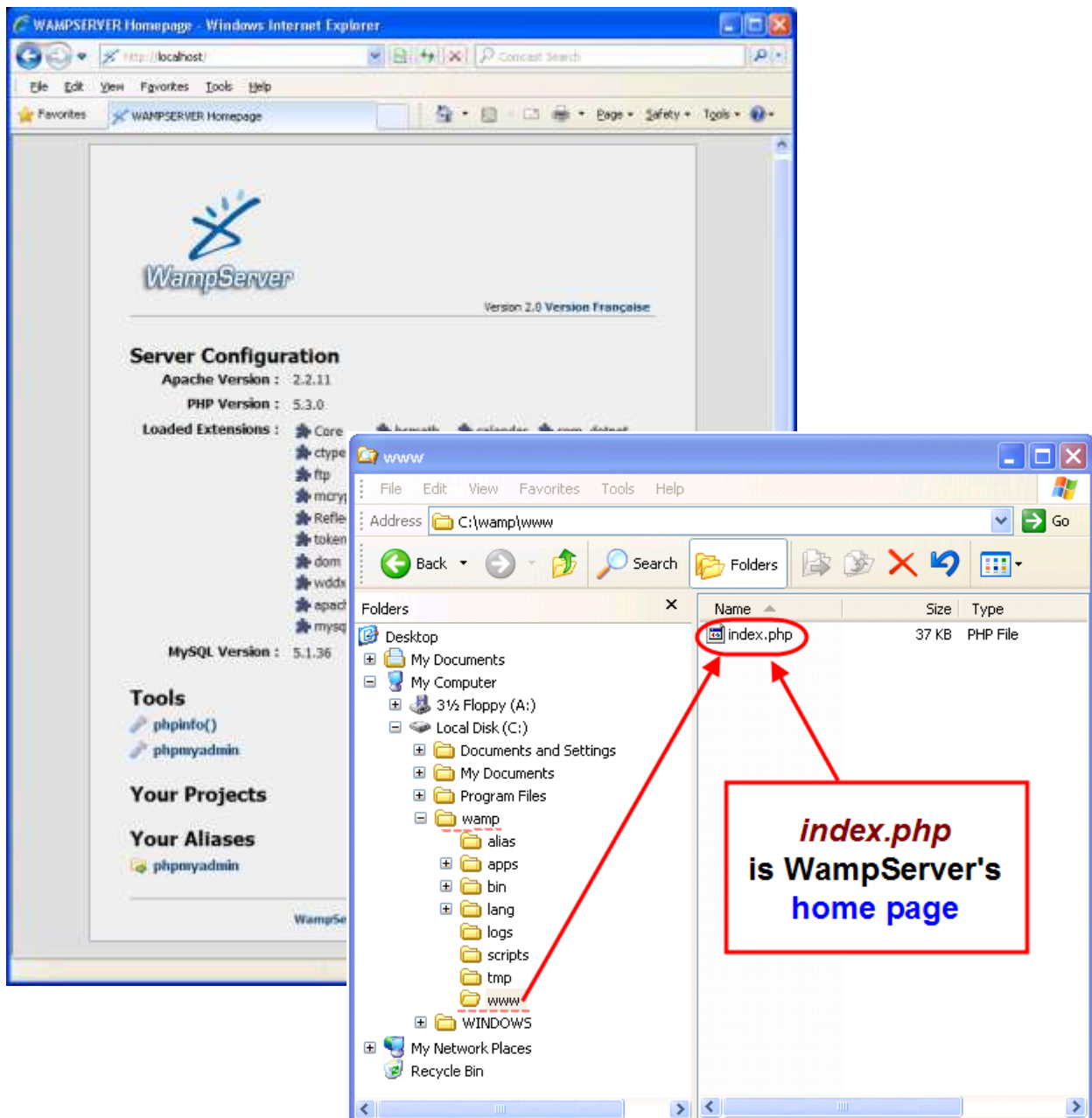


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If you see the following Web page then you have successfully installed **Apache**. You will still need to check to see that the **PHP** and **MySQL** components were also installed correctly.

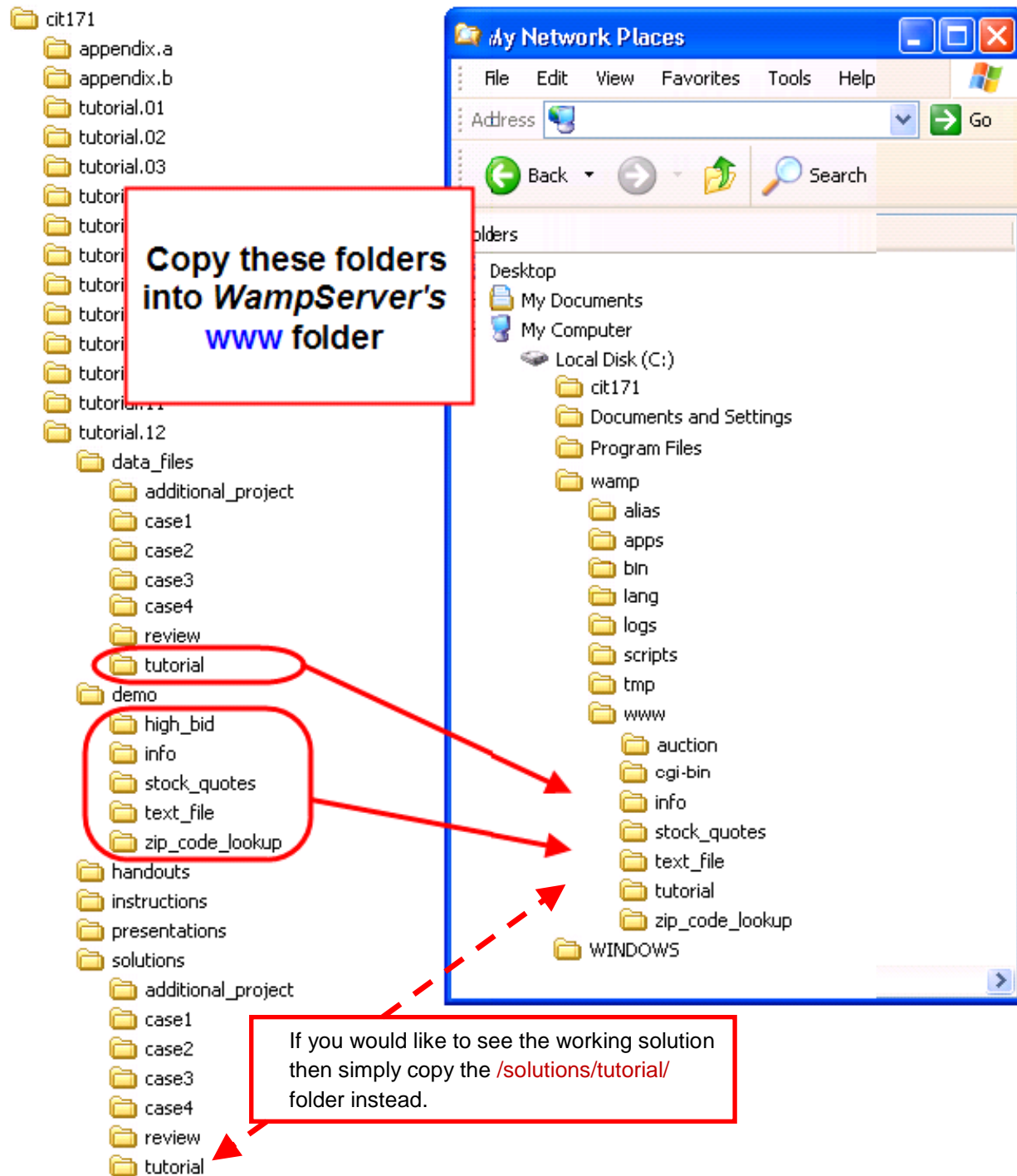
Note that the Web page that is displayed below is named **index.php**. Because a specific Web page was not requested in the URL, the Web server returned us the home page named *index.php*.

There are many common home page names that servers automatically recognize. Here are a few example home page file names that Web servers recognize: index.htm, index.html, index.php, index.asp, index.jsp, default.htm, default.html, default.php, default.asp, default.jsp.



Step 20 of 25

Before proceeding copy the Tutorial 12 **tutorial** and **demo** folders into the `C:\wamp\www\` folder as shown below:



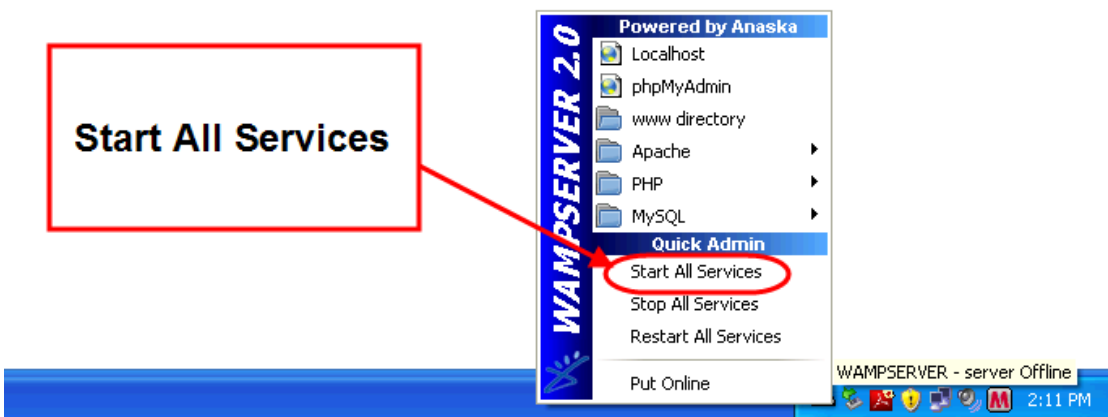
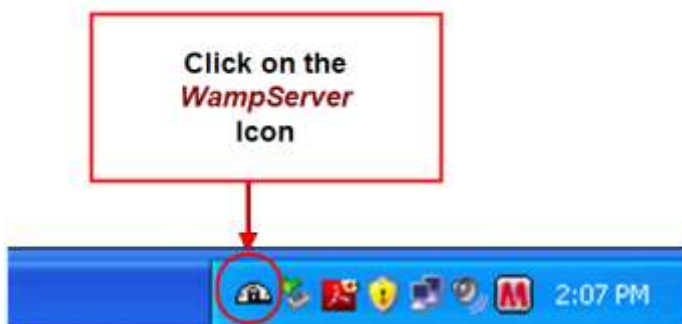
Step 21 of 25

The next step to see if you have successfully installed **PHP** and **MySQL**. Before this can be done first make sure that you have the *WampServer* program started.



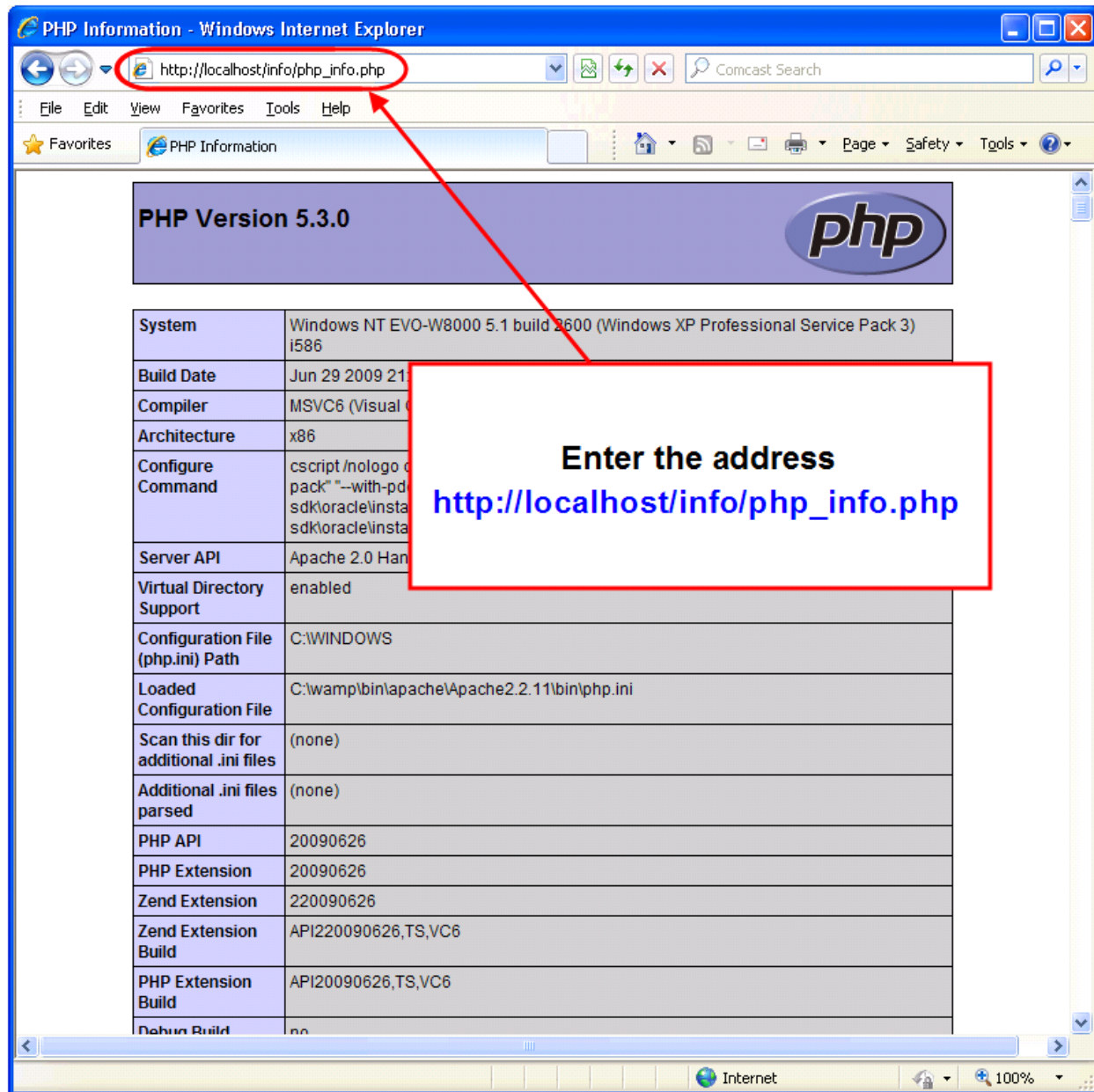
Step 22 of 25

You can also start the *WampServer* program by clicking on the *WampServer* icon on the *Tray Status Area*, or *Tray*, located on the bottom right corner of the *Task Bar* where the clock is located (the bottom right corner of your screen).



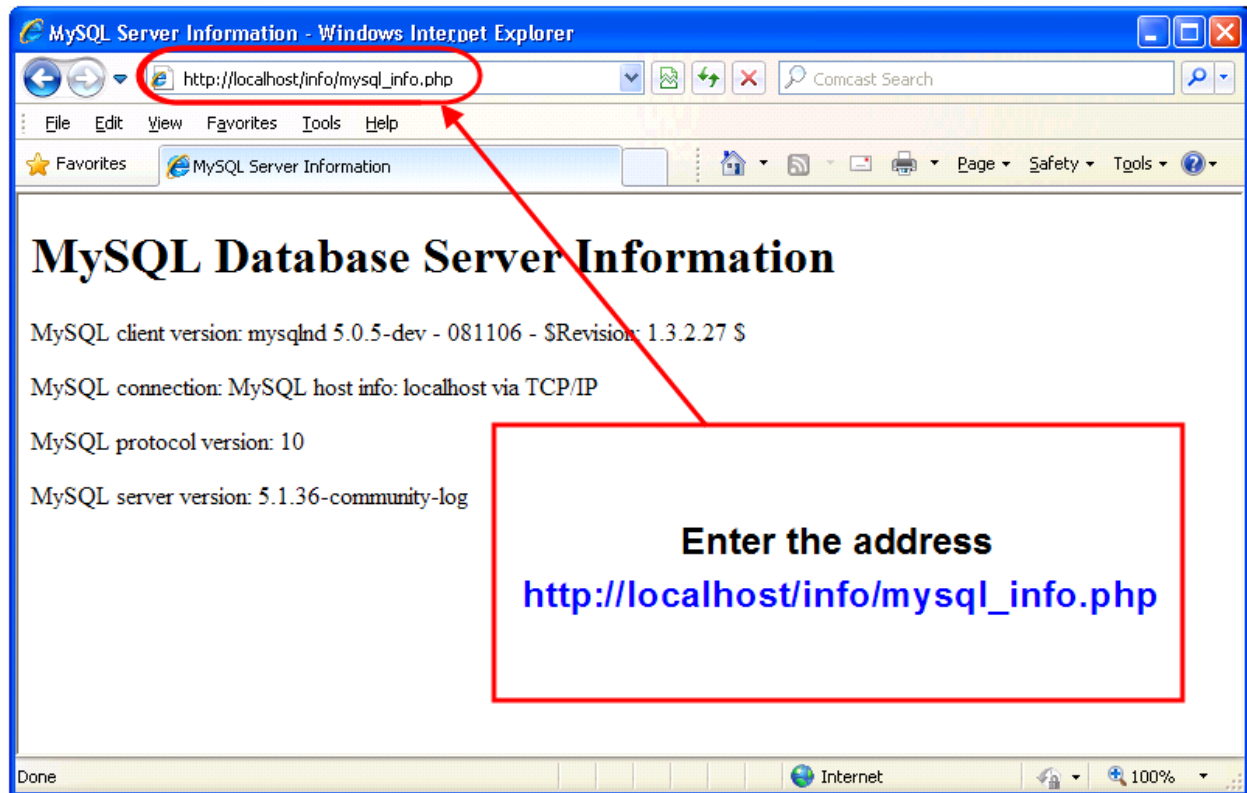
Step 23 of 25

To test if **PHP** was installed properly enter the address http://localhost/info/php_info.php into the Web browser. If you see the following Web page then **PHP** was installed correctly.



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To test if **MySQL** was installed properly enter the address http://localhost/info/mysql_info.php into the Web browser. If you see the following Web page then **MySQL** was installed correctly.



Step 25 of 25

That's it. The *WampServer* personal Web server is now successfully installed.

Now install *Perl* by following the steps in Blackboard's [Perl installation instructions](#).