

Software	Windows	Mac OSX	Linux Ubuntu
XAMPP	Download XAMPP with PHP 5.6.31 from https://www.apachefriends.org/download.html Please do not install PHP 7.*		
	Linux users, look at this install guide: http://www.wikihow.com/Install-XAMPP-on-Linux		
	Edit php.ini file located at /XAMPP/php/ directory Uncomment following extensions- extension=php_mbstring.dll extension=php_pdo_sqlite.dll extension=php_sqlite3.dll Save and close the file.	Edit php.ini file located at /Applications/XAMPP/xamppfiles/etc/ directory Uncomment following extensions- extension=php_pdo_sqlite.dll extension=php_sqlite3.dll Save and close the file.	Edit php.ini file located at /opt/lamp/etc/ directory Uncomment following extensions- extension=php_pdo_sqlite.dll extension=php_sqlite3.dll Save and close the file.
	How to start? Inside xampp/ directory look for a control panel file, make a short cut to it on desktop and start Apache via control panel.	How to start? Inside Applications/XAMPP directory look for a file manager-osx.app , make a short cut to it on Dock and start Apache via manager-osx	How to start? You can start XAMPP using the Terminal by entering the following command and pressing Enter. You may be prompted for your password: sudo /opt/lampp/lampp start
	Where to save the work? Always inside xampp/htdocs/ folder <i>Example: lets us say there is a folder called assignment1 which has a</i>	Where to save the work? Always inside /Applications/xampp/htdocs/ folder <i>Example: lets us say there is a folder called assignment1 which has a file called faq.php, view it in browser as:</i>	Where to save the work? Always inside /opt/lampp/htdocs/ folder <i>Example: lets us say there is a folder called assignment1 which has a file called faq.php, view it in browser as:</i>

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	<p>file called <i>faq.php</i>, view it in browser as:</p> <p>http://localhost/assignment1/faq.php</p>	<p>http://localhost/assignment1/faq.php</p>	<p>http://localhost/assignment1/faq.php</p>
		<p>You may need root level privileges for viewing the files inside htdocs, so open Terminal and execute the command:</p> <p><code>chmod -R 777 /Applications/XAMPP/htdocs/dirName</code> <i>where dirName is your directory</i></p>	<p>You may need root level privileges for viewing the files inside htdocs, so open Terminal and execute the command:</p> <p><code>chmod -R 777 /opt/lamp/htdocs/ dirName</code> <i>where dirName is your directory</i></p>
	<p>If port number needs to be changed?</p> <p>Xampp runs on port 80, if that is occupied by another software on your machine (skype, wordpress, etc.), start Xampp via control panel will fail. If that is happening in your case, please do the following:</p> <p>Locate httpd.conf file inside xampp/apache/conf (windows);</p>	<p>If port number needs to be changed?</p> <p>Xampp runs on port 80, if that is occupied by another software on your machine (skype, wordpress, etc.), start Xampp via control panel will fail. If that is happening in your case, please do the following:</p> <p>Locate httpd.conf file inside /Applications/XAMPP/xamppfiles/etc/</p> <p>Open it to edit via any editor of your choice</p> <p>Search for default port number ie. 80 and change it to a random free port say 200 or 8012, etc.</p> <p>Save the file Close it Re start apache</p>	<p>If port number needs to be changed?</p> <p>Xampp runs on port 80, if that is occupied by another software on your machine (skype, wordpress, etc.), start Xampp via control panel will fail. If that is happening in your case, please do the following:</p> <p>Locate httpd.conf file inside /opt/lamp/etc/ directory</p> <p>Open it to edit via any editor of your choice</p> <p>Search for default port number ie. 80 and change it to a random free port say 200 or 8012, etc.</p> <p>Save the file Close it Re start the control panel</p>

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	<p>Open it to edit via any editor of your choice</p> <p>Search for default port number ie. 80 and change it to a random free port say 200 or 8012, etc.</p> <p>Save the file Close it Re start apache</p> <p>In the browser type http://localhost:portNumber/</p>	<p>In the browser type http://localhost:portNumber/</p>	<p>In the browser type http://localhost:portNumber/</p>
PhpStorm	<p>Download from https://www.jetbrains.com/phpstorm/ Apply for free educational license at https://www.jetbrains.com/buy/classroom/?product=phpstorm</p>		
	<p>Installation and launching the software is simple and intuitive</p>	<p>Installation and launching the software is simple and intuitive</p>	<p>Download the tar.gz of the IDE you want from above download link.</p> <p>Extract the PhpStorm.tar.gz file in your preferred location. You can use the right click option or from the command line use: tar -zxvf PhpStorm.tar.gz</p> <p>Now go to <folder location>/PhpStorm/bin and run the phpstorm.sh file via Terminal: sudo ./phpstorm.sh</p>

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	<p>Set up PHP interpreter:</p> <p>php.exe == interpreter in windows and Launch PhpStorm.</p> <p>The first time you will open it - you will find a Configure--> Settings at the bottom of the launch screen.</p> <p>Open Settings--> Search for PHP in the settings dialog box.</p> <p>Click on ... button next to interpreter and set up</p> <p>In windows you will find php.exe inside /XAMPP/php directory</p> <p>Once set you are ready to go.</p>	<p>Set up PHP interpreter:</p> <p>php == shell script in mac/linux that is the interpreter</p> <p>The first time you will open it - you will find a Configure--> Preferences at the bottom of the launch screen.</p> <p>Open Settings--> Search for PHP in the settings dialog box.</p> <p>Click on ... button next to interpreter and set up</p> <p>In mac you will find php in /Applications/XAMPP/bin/php directory</p> <p>Once set you are ready to go.</p>	<p>Set up PHP interpreter:</p> <p>php == shell script in mac/linux that is the interpreter</p> <p>The first time you will open it - you will find a Configure--> Settings at the bottom of the launch screen.</p> <p>Open Settings--> Search for PHP in the settings dialog box.</p> <p>Click on ... button next to interpreter and set up</p> <p>In linux you will find php inside /opt/lampp/bin/</p> <p>Once set you are ready to go.</p>
Xdebug in PhpStorm	<p>Look inside /xampp/php/ext directory. You will find a file php_xdebug.dll</p> <p>You can use this or download a more recent</p>	<p>This is a lot easier process on Mac Xdebug extension (xdebug.so) already shipped as a part of XAMPP install and is located as:</p> <p>/Applications/XAMPP/xamppfiles/lib/php/extensions/no-debug-non-zts-20131226/xdebug.so</p>	<p>Same as Mac</p> <p>Xdebug extension (xdebug.so) already shipped as a part of XAMPP install and is located as:</p> <p>/opt/lampp/lib/php/extensions/no-debug-non-zts-20131226/xdebug.so</p>

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	<p>version from https://xdebug.org/download.php</p> <p>Open php.ini file and add the following lines at end of it:</p> <pre>[XDebug] zend_extension = "(yourLocation)\xampp\php\ext\php_xdebug.dll" xdebug.profiler_append = 0 xdebug.profiler_enable = 1 xdebug.profiler_enable_trigger = 0 xdebug.profiler_output_dir = "..\xampp\tmp" xdebug.profiler_output_name = "cachegrind.out.%t-%s" xdebug.remote_enable = 1 xdebug.remote_handler = "dbg" xdebug.remote_host = "127.0.0.1" xdebug.trace_output_dir = "..\xampp\tmp"</pre> <p>Save and close the file. Stop and re start XAMPP.</p> <p>Open PHP settings in PhpStorm, in the same</p>	<p>Open php.ini file (located inside /Applications/XAMPP/xamppfiles/etc) and add the following lines</p> <p>Locate zend_extension and add</p> <pre>zend_extension=/Applications/XAMPP/xamppfiles/lib/php/extensions/no-debug-non-zts-20131226/xdebug.so</pre> <p>Scroll to the very end of php.ini and add the following-</p> <pre>[xdebug] xdebug.remote_enable=1 xdebug.remote_host=localhost xdebug.remote_port=9000 xdebug.remote_handler="dbg"</pre> <p>Now save the file and close it. Restart XAMPP and you are good to go.</p> <p>Open PHP settings in PhpStorm, in the same dialog box where you set the PHP interpreter, there is a setting for Debugger at the bottom.</p> <p>Set the location of php_xdebug.dll and you will see the Xdebug version number appearing.</p> <p>To use Xdebug in PhpStorm, add breakpoints in code and use Run--> Debug menu.</p>	<p>Open php.ini file (located inside /opt/lampp/etc) and add the following lines</p> <p>Locate zend_extension and add</p> <pre>zend_extension=/Applications/XAMPP/xamppfiles/lib/php/extensions/no-debug-non-zts-20131226/xdebug.so</pre> <p>Scroll to the very end of php.ini and add the following-</p> <pre>[xdebug] xdebug.remote_enable=1 xdebug.remote_host=localhost xdebug.remote_port=9000 xdebug.remote_handler="dbg"</pre> <p>Now save the file and close it. Restart XAMPP and you are good to go.</p> <p>Open PHP settings in PhpStorm, in the same dialog box where you set the PHP interpreter, there is a setting for Debugger at the bottom.</p> <p>Set the location of php_xdebug.dll and you will see the Xdebug version number appearing.</p> <p>To use Xdebug in PhpStorm, add breakpoints in code and use Run--> Debug menu.</p>

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	<p>dialog box where you set the PHP interpreter, there is a setting for Debugger at the bottom.</p> <p>Set the location of php_xdebug.dll and you will see the Xdebug version number appearing.</p> <p>You are ready to debug the code via Run→Debug menu.</p>		