

Codenza Php Guide



Codenza Development Team

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Codenza Php Guide



Beginner User

Download and install Php from the link below: -

<http://php.net/downloads.php>

Else you can also Download and install the WAMP / LAMP / MAMP Stack for your Operating Systems.

WAMP - <http://www.wampserver.com/en/> (Windows OS)

MAMP - <https://bitnami.com/stack/mamp/installer> (Mac OS)

LAMP - <https://www.turnkeylinux.org/lampstack> (Linux OS)

System Requirements: -

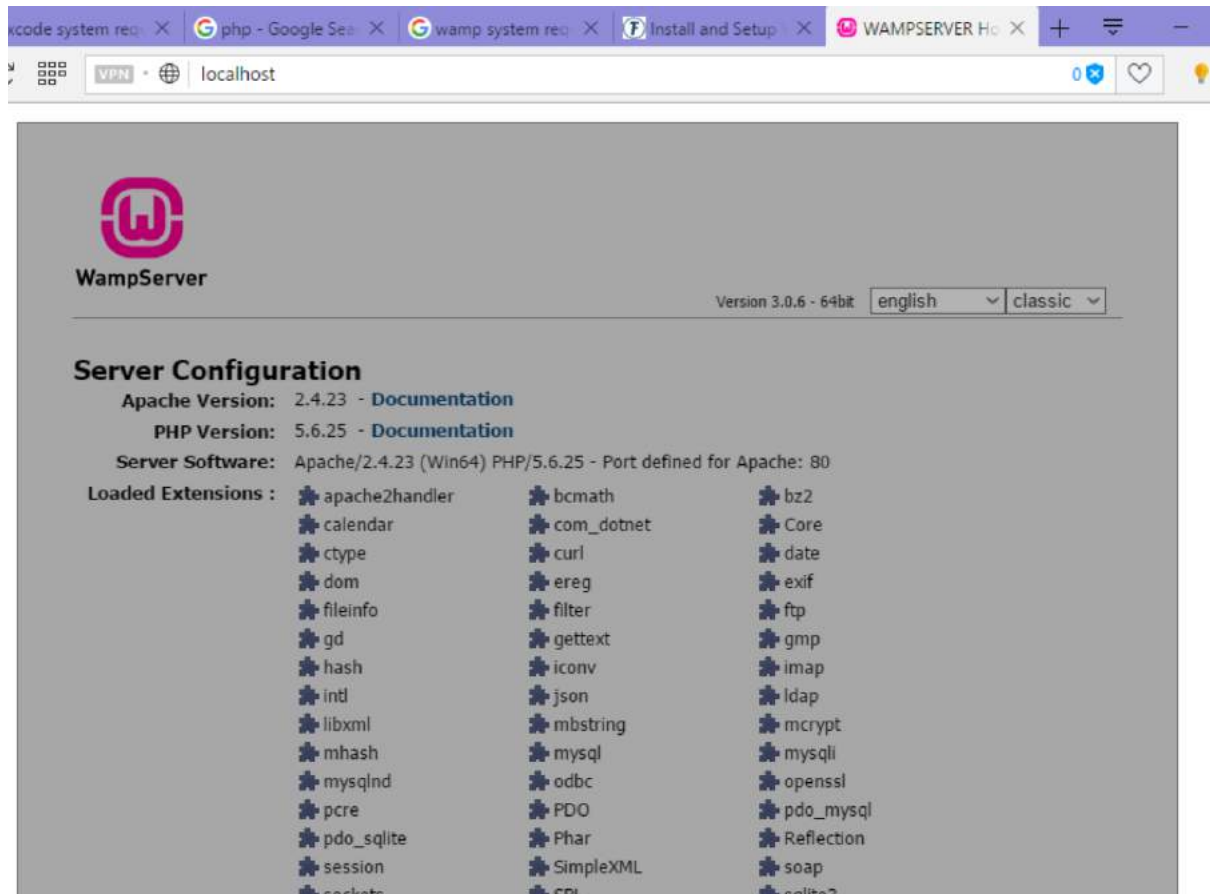
Any of Windows, Linux and Mac OS supported versions.

Dual Core or better processors.

500 MB or More Disk Space (depending on features installed).

2GB or More RAM.

After having downloaded and installed the respective stack for your OS. Go to <http://localhost/> on your browser and you can see the Home Page.



Create a New Php File. Eg: -

```
<?php
    echo "Hello World...!!!";
?>
```

And put it in the www / root folder of your stack installation folder.

Windows - C:\wamp64\www (Remove 64 if 32-bit system)

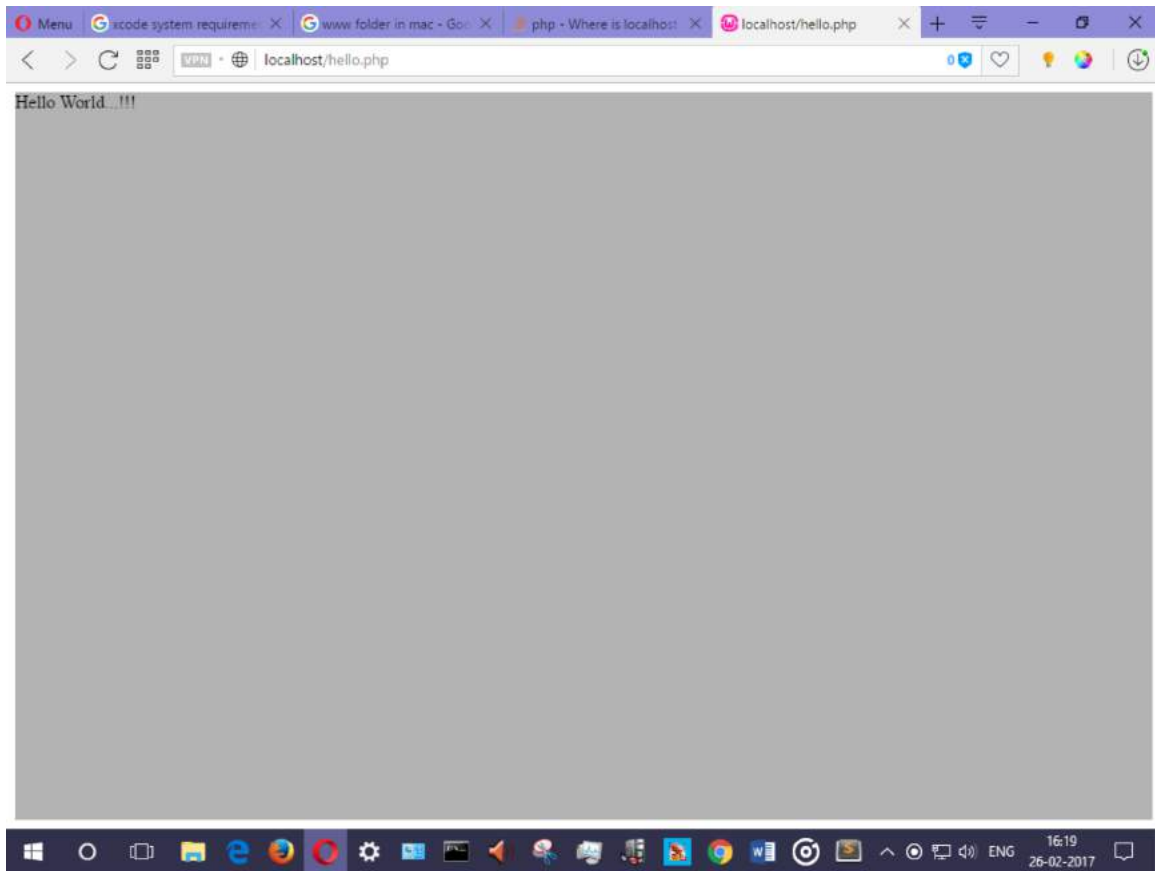
Linux - /var/www/html

Mac OS - There are actually two place where where mac os x serves website by default:

/Library/WebServer/Documents --> <http://localhost>

~/Sites --> http://localhost/~user/

Running Php file on Localhost.



PhpStorm: -

It is a Lightning-smart PHP IDE built by the folks of Jet Brains. It is available as a both Paid and Student (free) editions.

System Requirements: -

Windows: -

- Microsoft 10/8/7/Vista/2003/XP (incl. 64-bit)
- 1 GB RAM minimum
- 2 GB RAM recommended
- 1024x768 minimum screen resolution

Linux: -

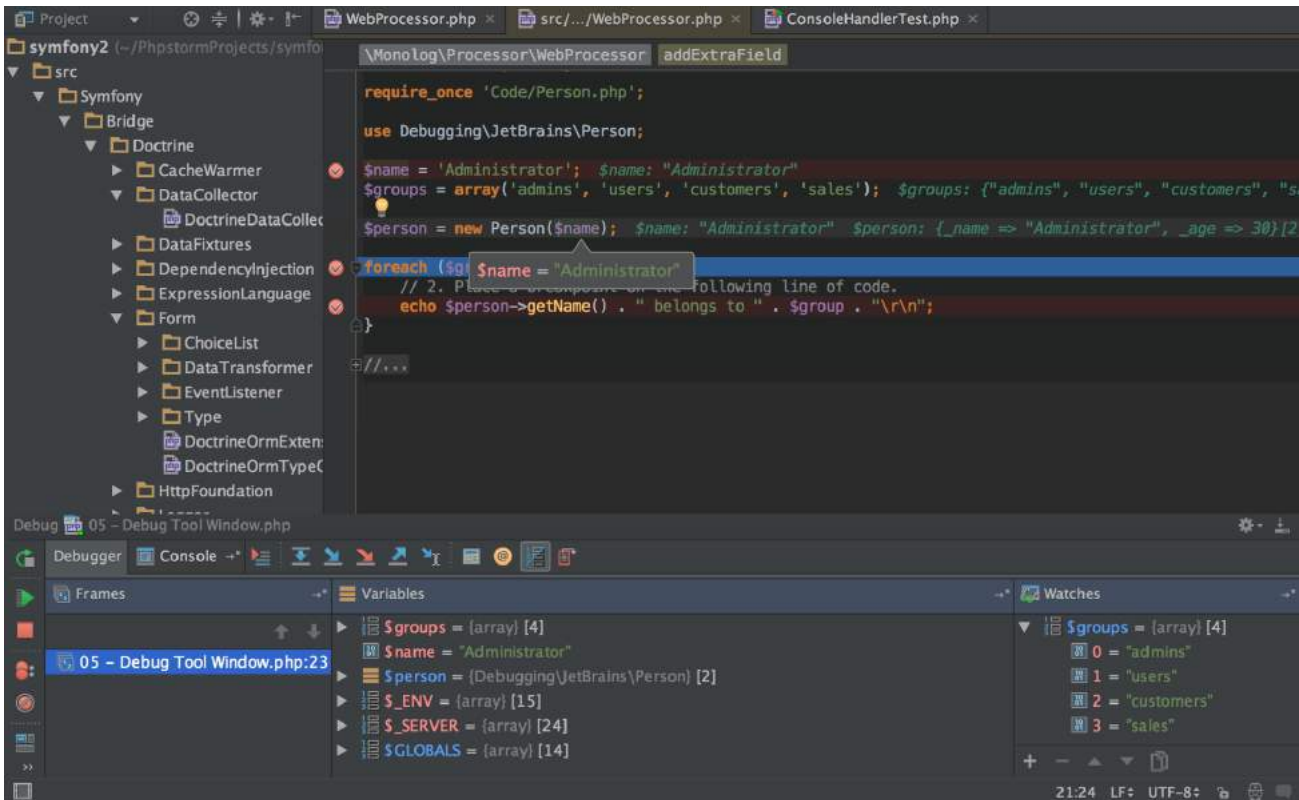
- 1 GB RAM minimum, 2 GB RAM recommended
- 1024x768 minimum screen resolution
- GNOME or KDE desktop

Mac OS: -

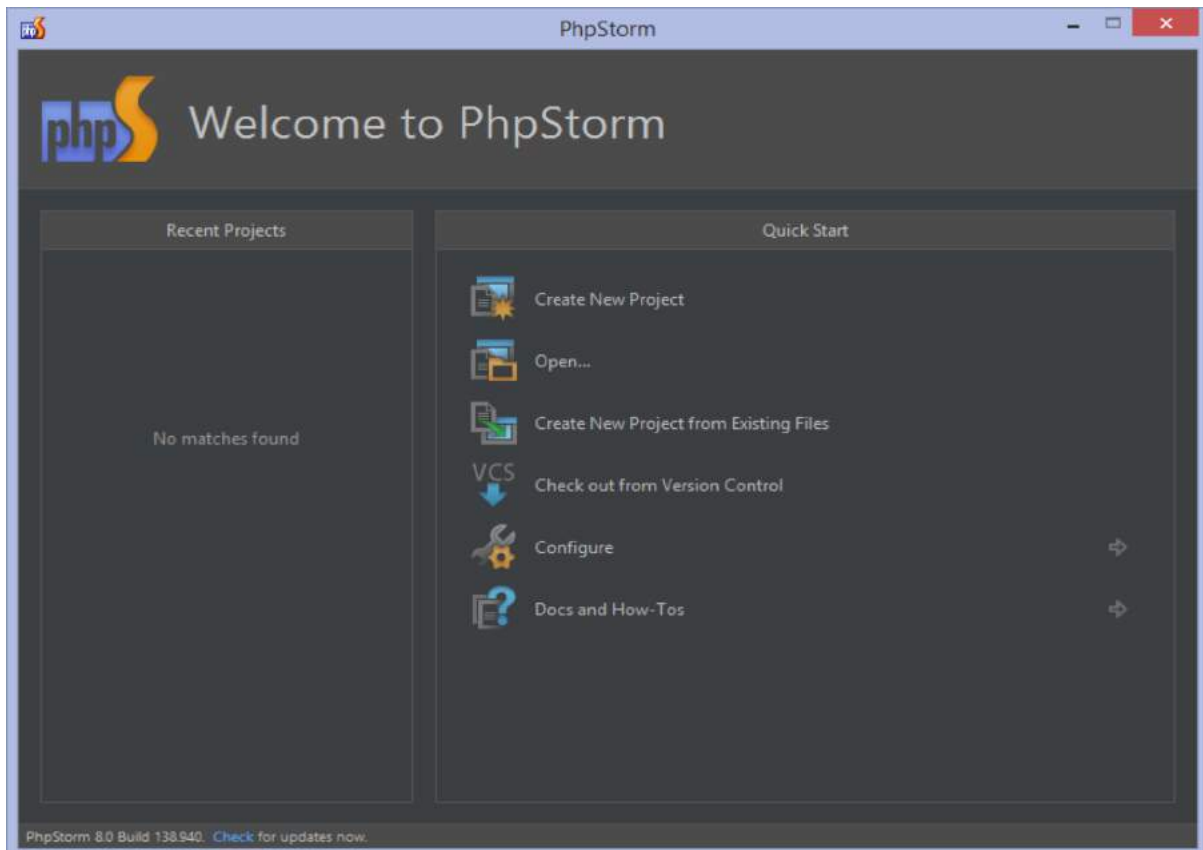
- macOS 10.8 or higher, including 10.9 (Mavericks)
- 1 GB RAM minimum
- 2 GB RAM recommended
- 1024x768 minimum screen resolution

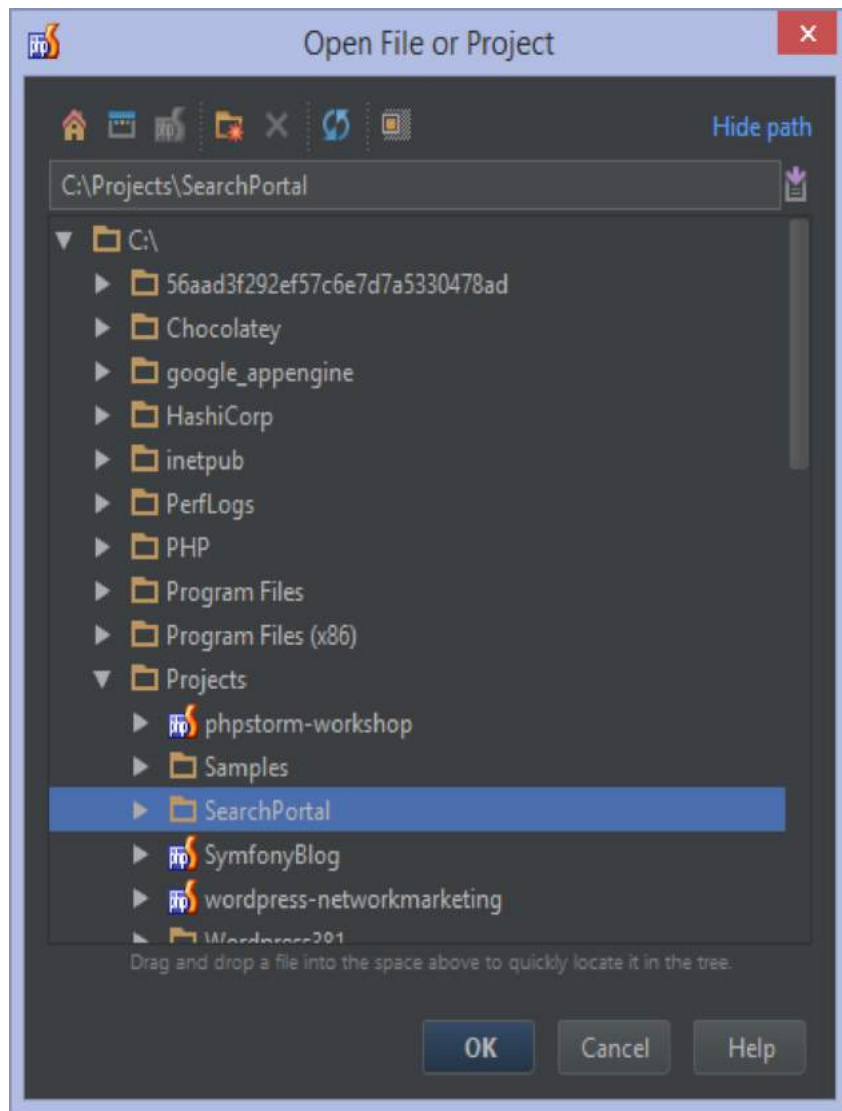
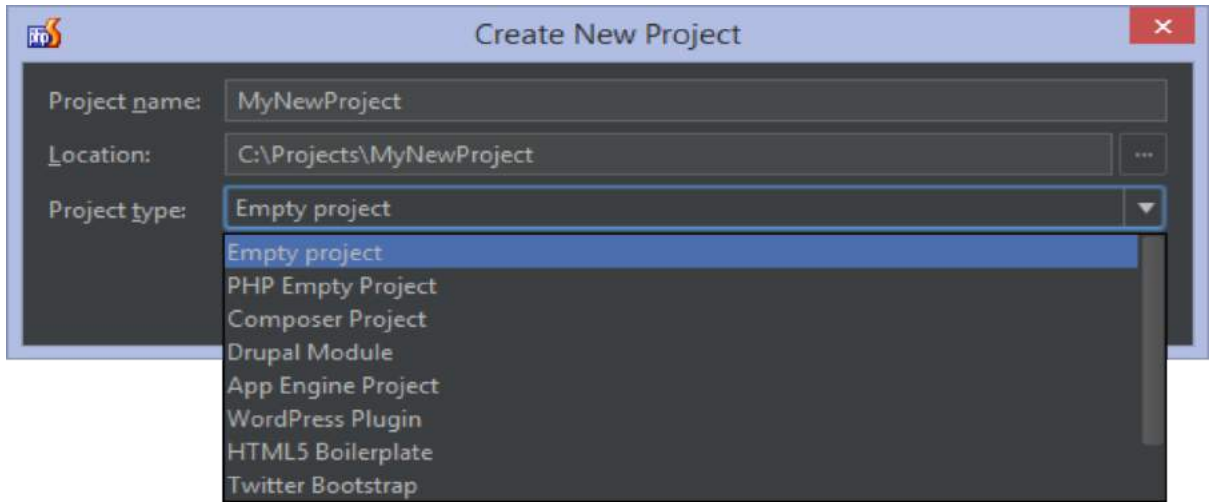
It supports PHP 5.3/5.4/5.5/5.6/7.0/7.1, provides on-the-fly error prevention, best autocompletion & code refactoring, zero configuration debugging, and an extended HTML, CSS, and JavaScript editor.

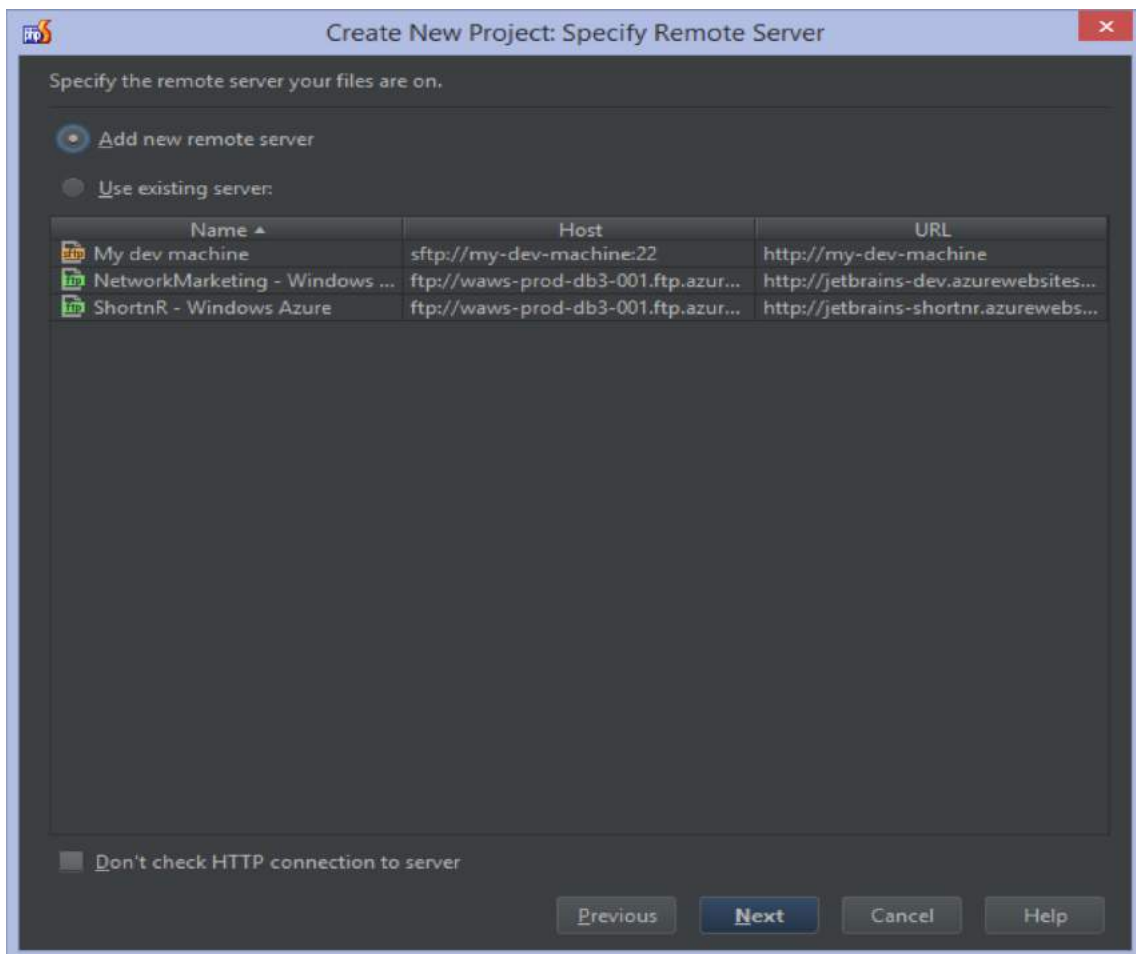
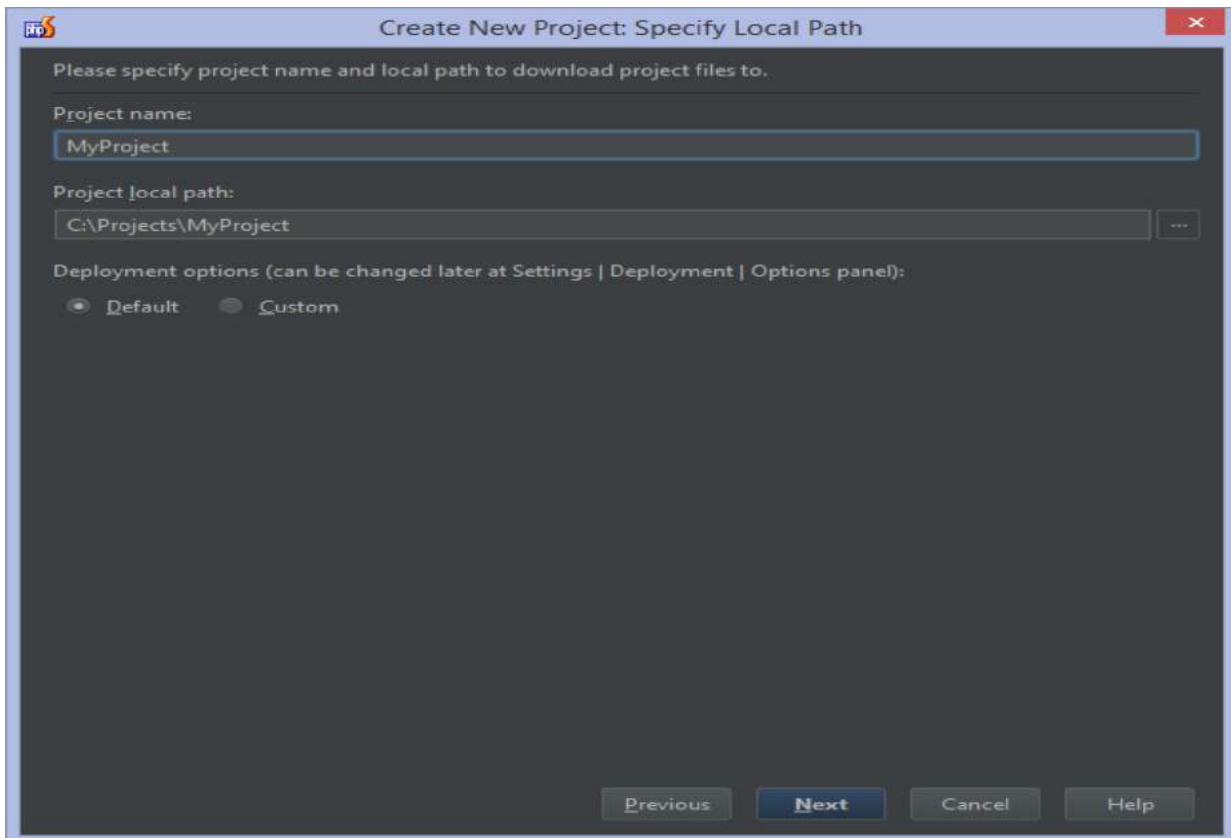
Note: - Mac OS X comes with pre-installed PHP interpreter and Apache server, so it can be configured to work well together following [the tutorial published by php.net](#). XAMPP is a good alternative to installing and configuring a Web server, a PHP engine, a database server, and a debug engine separately. To start developing is download XAMPP, run XAMPP installer.exe, and start the components using the XAMPP control panel.

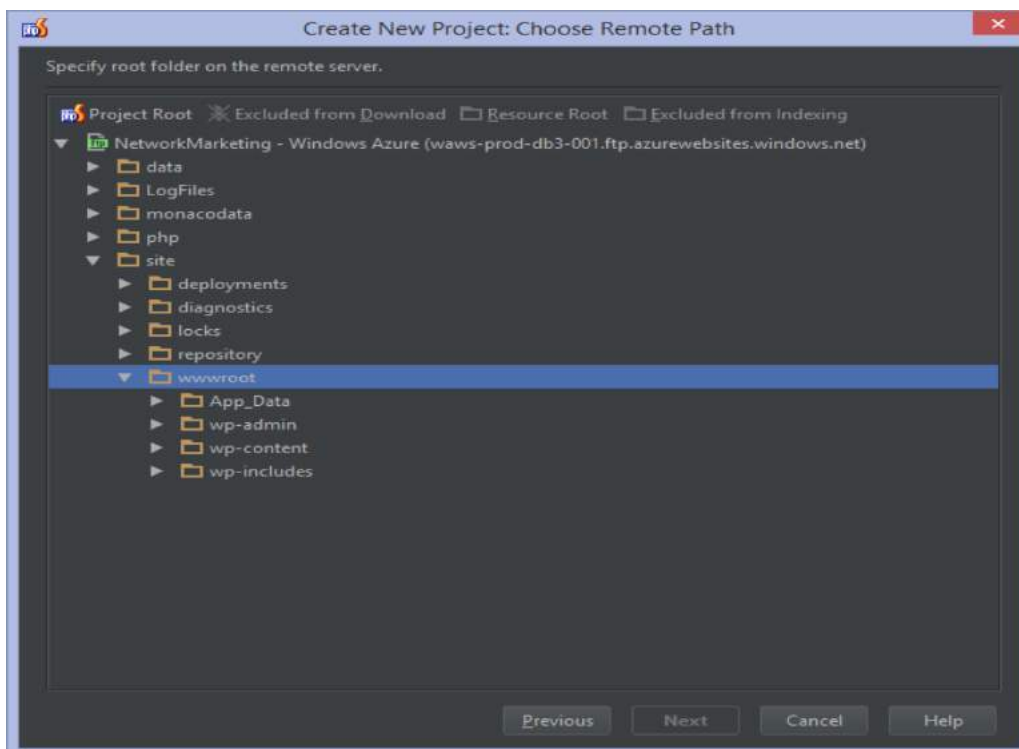
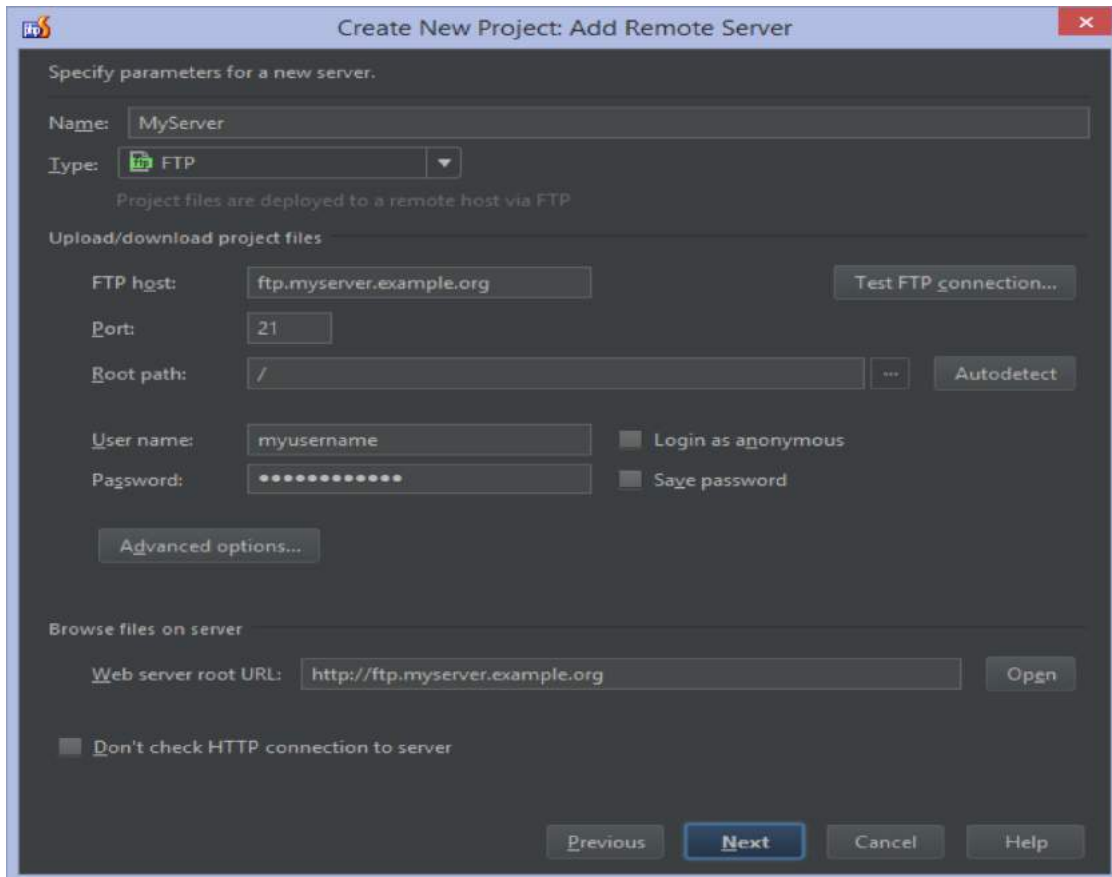


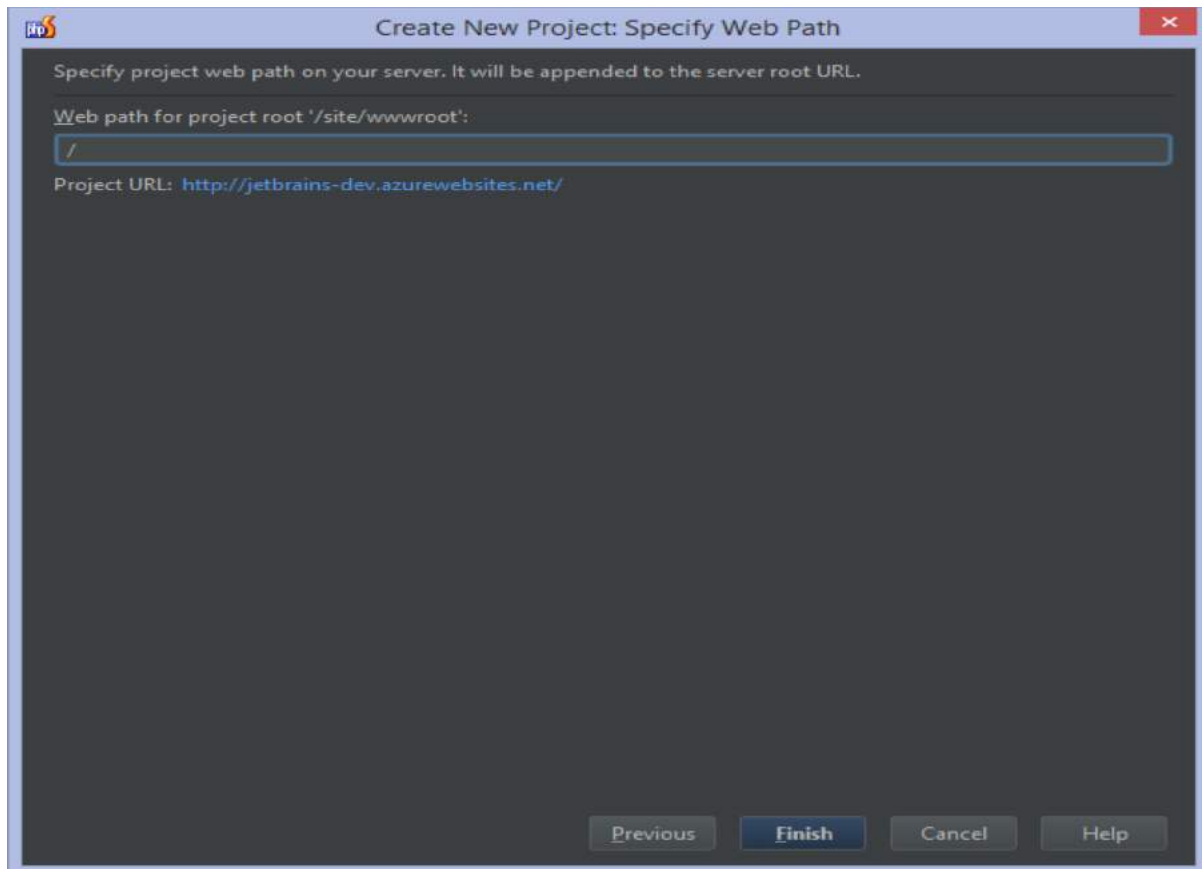
Building and Executing Php Program: -
 Create a New Project from Welcome Screen as follows: -











Running and Debugging the Application: -

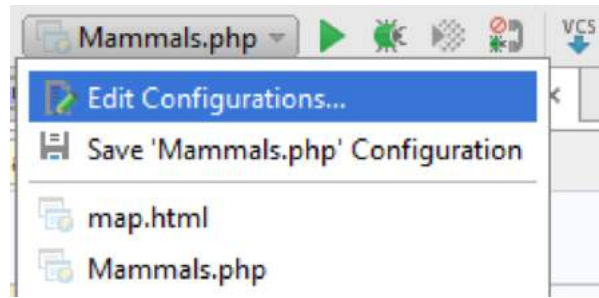
The easiest way to debug your web application is initiating a debugging session from the browser and working in the [zero-configuration debugging mode](#), provided that you have created the corresponding debugger cookies and enabled control over debugging through them.

No preliminary steps are required if you are going to run and debug an application directly on a remote host. The only thing you need is [register access](#) to this host in PhpStorm to enable synchronisation.

If you are going to run and debug an application on your computer, you need to [configure local PHP Development Environment](#).

With PhpStorm, you can run entire PHP applications as well as a particular class or file. To run a class or a file, open it in the Editor or select it in the Project view, then choose **Run <file name>** on the context menu of the selection or just press Ctrl+Shift+F10.

To launch an entire application you need a special profile, or a [run/debug configuration](#), which represents a set of run/debug start-up properties. Run configurations are created in the [Run/Debug Configurations dialog](#).



Depending on where you want your application to run and where you want to view its results, choose the configuration type:

- [PHP Web Application](#) to view application output in a browser.
- [PHP Script](#) to view the application output in the Run tool window.
- [Built-in Web server](#)

CodeRunner IDE: -

An advanced, highly flexible, and easy-to-use **programming editor for your Mac**. CodeRunner supports a large number of languages, and delivers big IDE features while remaining lightweight and clutter-free.

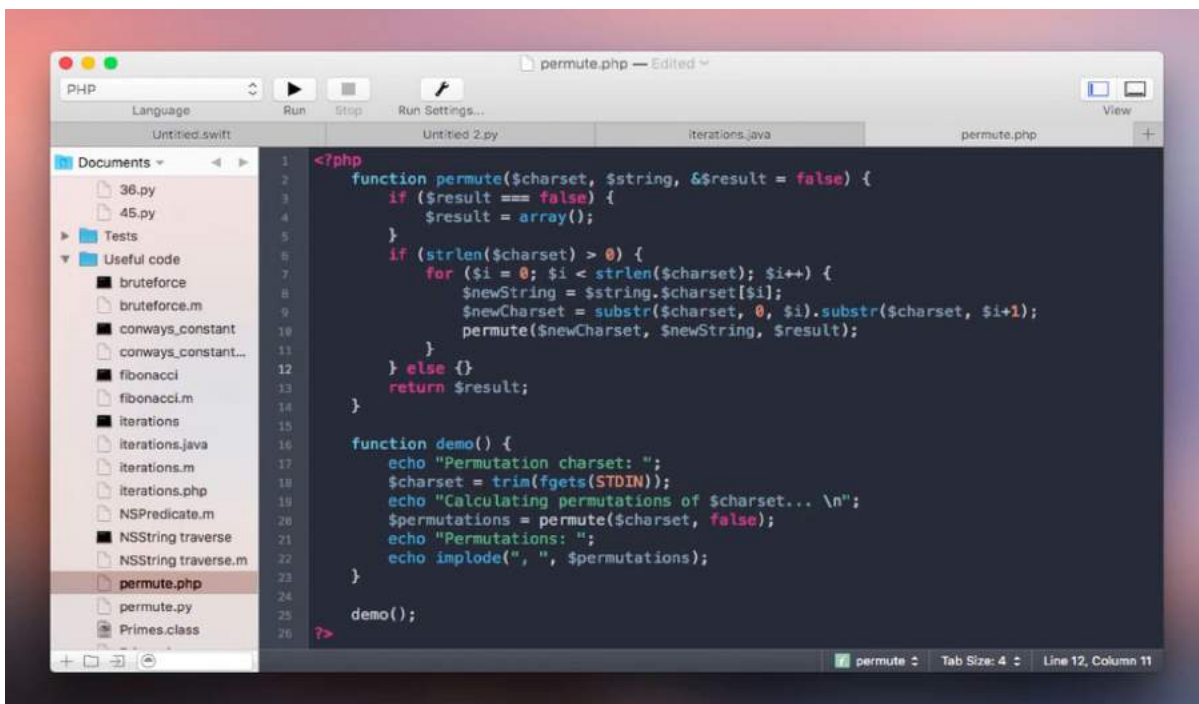
System Requirements: -

Mac OS – 10.7+ (latest version preferred).

Xcode (latest version preferred).

Xcode Command Line Tools.

Note: - Though it is a paid software , it is also available as a Trial Software.



```
<?php
function permute($charset, $string, &$result = false) {
    if ($result == false) {
        $result = array();
    }
    if (strlen($charset) > 0) {
        for ($i = 0; $i < strlen($charset); $i++) {
            $newString = $string.$charset[$i];
            $newCharset = substr($charset, 0, $i).substr($charset, $i+1);
            permute($newCharset, $newString, $result);
        }
    } else {}
    return $result;
}

function demo() {
    echo "Permutation charset: ";
    $charset = trim(fgets(STDIN));
    echo "Calculating permutations of $charset... \n";
    $permutations = permute($charset, false);
    echo "Permutations: ";
    echo implode(" ", $permutations);
}

demo();
```

Building and executing the Program: -

Create New Program as Click File -> New -> Select Programming Language (Php).

The image shows a screenshot of the CodeRunner application interface. The window title is "CodeRunner" and the menu bar includes "File", "Edit", "Text", "Run", "View", "Window", and "Help". The language is set to "PHP". The file name is "Untitled 4.php". The code in the editor is as follows:

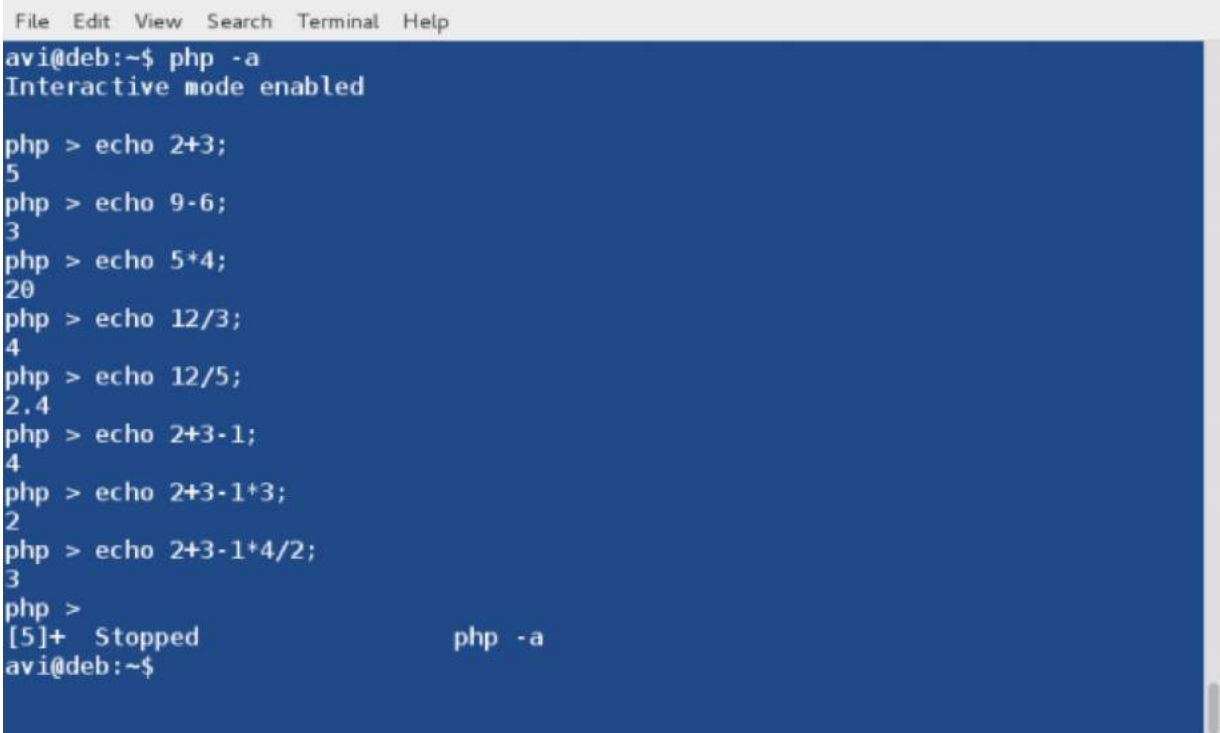
```
1 <?php
2     echo "Please enter value 1 : ";
3     fscanf(STDIN, "%d\n", $value1);
4     echo "Please enter value 2 : ";
5     fscanf(STDIN, "%d\n", $value2);
6     echo "Answer : " .($value1 + $value2) . "\n";
7 ?>
```

The output of the code execution is displayed below the editor:

```
Please enter value 1 : 4
Please enter value 2 : 5
Answer : 9
```

Expert User

Expert users prefer the command line interface and assuming you have a Php File.



```
File Edit View Search Terminal Help
avi@deb:~$ php -a
Interactive mode enabled

php > echo 2+3;
5
php > echo 9-6;
3
php > echo 5*4;
20
php > echo 12/3;
4
php > echo 12/5;
2.4
php > echo 2+3-1;
4
php > echo 2+3-1*3;
2
php > echo 2+3-1+4/2;
3
php >
[5]+ Stopped php -a
avi@deb:~$
```

Running Php Interactive Shell

Run other Php program as -> php file_name.php