# Homework: Install and Configure PHP: XAMPP, LAMP, IDEs

This document defines the homework assignments from the [“PHP Basics“ Course @ Software University](https://softuni.bg/trainings/coursesinstances/details/5). Submit as homework a single zip / rar / 7z archive holding the solutions (source code) of all below described problems.

## Install and Run XAMPP

Download, install, configure and run **XAMPP**. Create a PHP script **Test.php** holding "**<?php phpinfo() ?>**" in the Apache document root directory and execute it in the Apache Web server: <http://localhost/Test.php>.

## Install and Run LAMP

In **Linux** environment install and configure **LAMP**. Create a PHP script **Test.php** holding "**<?php phpinfo() ?>**" in the Apache document root directory and execute it in the Apache Web server: <http://localhost/Test.php>.

## Install and Configure Aptana Studio

Download, install and configure **Aptana Studio**. Write and run a PHP script **Numbers.php** that prints the numbers from 1 to 100. Configure the **debugger** (enable **XDebug** in the **php.ini**) and trace the execution of the script:

* **Debug it as PHP script** (as console application). First enable and configure XDebug in php.ini, then add a breakpoint in your project and run it through the debugger.
* **Debug it at the PHP Server** (as Web application). The simplest way to do this is to place your project files in the document root directory of the Apache Server (e.g. C:\XAMPP\htdocs\PHPProject\Numbers.php) and access it from the Apache Server (e.g. <http://localhost/PHPProject/Numbers.php>).

Sample configuration for php.ini to enable XDebug Zend extension:

|  |
| --- |
| [XDebug]  zend\_extension = "C:\XAMPP\php\ext\php\_xdebug.dll"  xdebug.remote\_enable = 1  xdebug.remote\_handler = dbgp  xdebug.remote\_host = localhost  xdebug.remote\_port = 9000 |

## Install and Configure PHPStom

Download, install and configure **PHPStorm**. Write and run a PHP script **Numbers.php** that prints the numbers from 1 to 100. Configure the **debugger** (enable **XDebug** in the **php.ini**) and trace the execution of the script:

* **Debug it as PHP script** (as console application). First enable and configure XDebug in php.ini, then add a breakpoint in your project and run it through the debugger.
* **Debug it at the PHP Server** (as Web application). The simplest way to do this is to place your project files in the document root directory of the Apache Server (e.g. C:\XAMPP\htdocs\PHPProject\Numbers.php) and access it from the Apache Server (e.g. <http://localhost/PHPProject/Numbers.php>).