```php
<?php
echo <<< END
Welcome to the
Web Programming Class
END;
?>
```

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We need a class
coordinator.
Who wants to
volunteer?

Front-End development
Back-End development

Front End — Users — Design & Programming

Back End — Web & DB Server — Programming

What we are going to learn

- Front end
- PHP programming
- PHP + MySQL
- JavaScript & AJAX
- Object-oriented PHP
- Model-View-Controller pattern
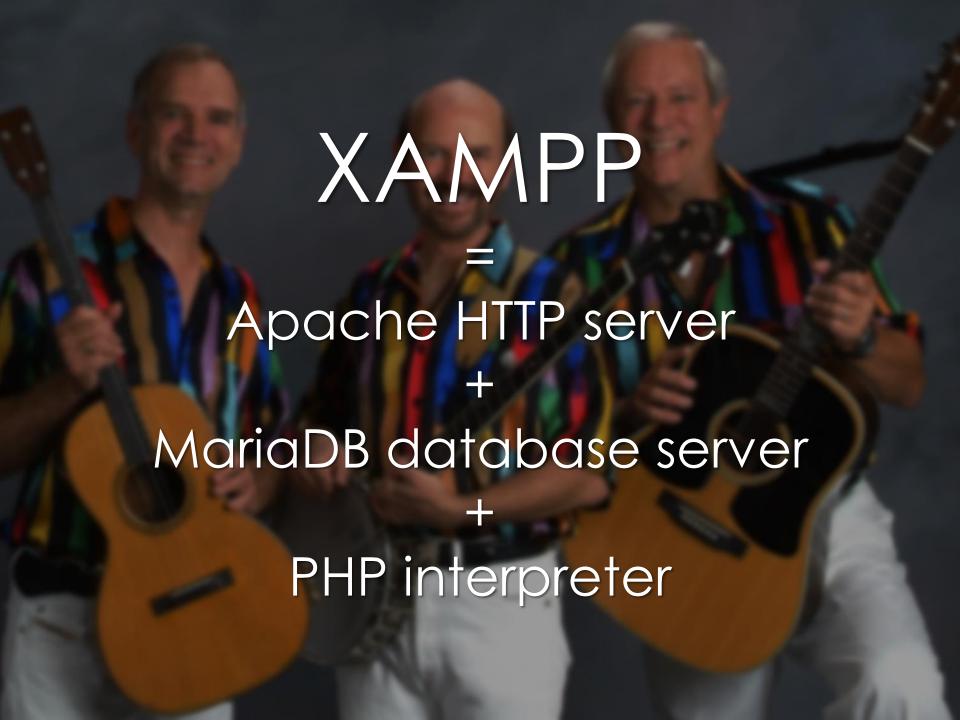- and some more...

The
Tools

- Web server
- PHP interpreter
- Database server
- Text editor/IDE
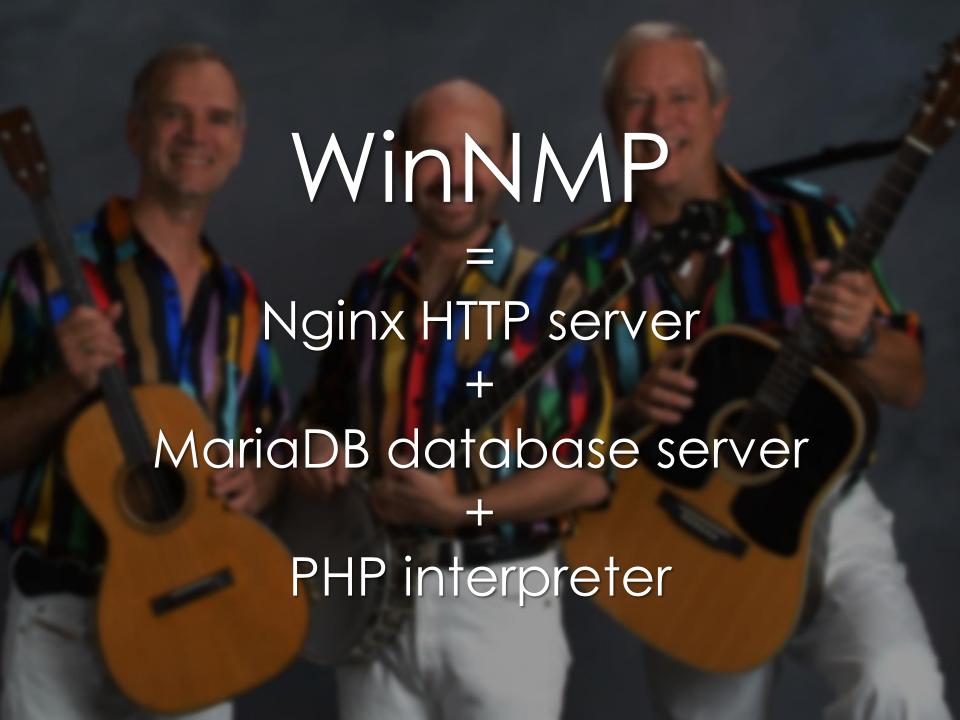 (Integrated Development Environment)
- Browser
- Brain :)

XAMPP
(apachefriends.org)
or WinNMP
(winnmp.wtriple.com)
is enough

XAMPP

=

Apache HTTP server

+

MariaDB database server

+

PHP interpreter

⊞ XAMPP for **Windows** 5.6.39, 7.0.33, 7.1.25, 7.2.13 & 7.3.0

Version		Checksum			Size
5.6.39 / PHP 5.6.39	What's Included?	md5	sha1	Download (32 bit)	110 Mb
7.0.33 / PHP 7.0.33	What's Included?	md5	sha1	Download (32 bit)	121 Mb
7.1.25 / PHP 7.1.25	What's Included?	md5	sha1	Download (32 bit)	121 Mb
7.2.13 / PHP 7.2.13	What's Included?	md5	sha1	Download (32 bit)	123 Mb
7.3.0 / PHP 7.3.0	What's Included?	md5	sha1	Download (32 bit)	124 Mb

WinNMP

=

Nginx HTTP server

+

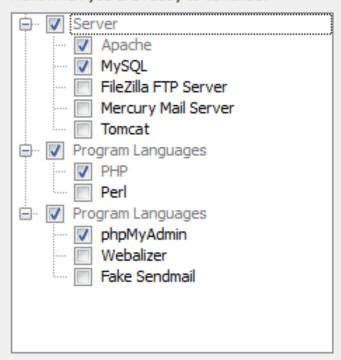MariaDB database server

+

PHP interpreter

Setup

Select Components

Select the components you want to install; clear the components you do not want to install. Click Next when you are ready to continue.

- ☑ Server
  - ☑ Apache
  - ☑ MySQL
  - ☐ FileZilla FTP Server
  - ☐ Mercury Mail Server
  - ☐ Tomcat
- ☑ Program Languages
  - ☑ PHP
  - ☐ Perl
- ☑ Program Languages
  - ☑ phpMyAdmin
  - ☐ Webalizer
  - ☐ Fake Sendmail

XAMPP Installer

[< Back] [Next >] [Cancel]

WinNMP - Nginx MariaDB Redis Php 7 development stack for Windows

A lightweight, fast and stable server stack for developing php mysql applications on windows, based on the excellent webserver Nginx. A lighter alternative to XAMPP and WAMP, with Composer, Adminer, LetsEncrypt certificates, WinSCP, multiple PHP versions, projects and virtual servers.

Install (extract) it to
D:\ (for example) so that
folder D:\xampp or D:\WTServer
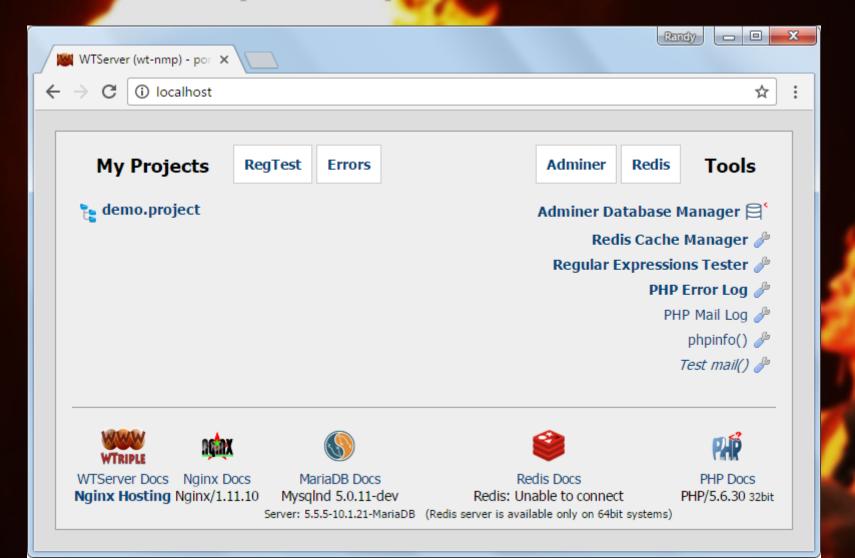is created

Start Apache!

Or Nginx!

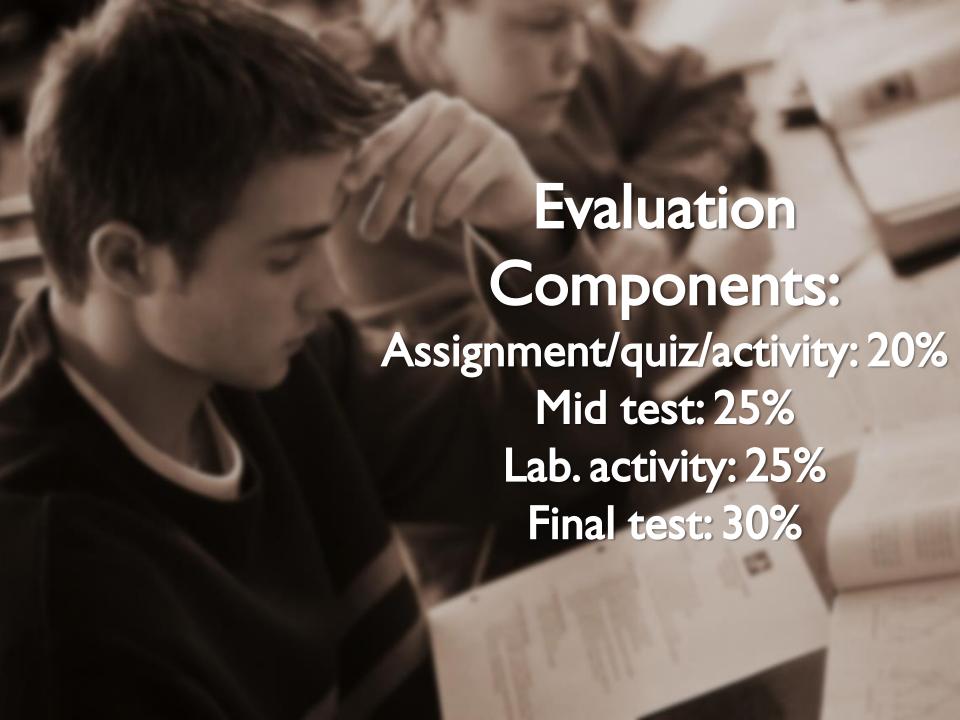# Fire up your browser!
Open http://localhost

Text editors:

- Notepad
- Notepad++
  (notepad-plus-plus.org)
- Sublime Text
  (sublimetext.com)
- Atom
- Visual Studio Code

IDE's:

- ## NetBeans IDE
  (netbeans.org)

- ## Eclipse PDT
  (eclipse.org/pdt)

- ## PhpStorm
  (jetbrains.com/phpstorm)

- ## Zend Studio
  (zend.com/en/products/studio)

- ## Aptana Studio
  (aptana.com/products/studio3.html)

Evaluation Components:
Assignment/quiz/activity: 20%
Mid test: 25%
Lab. activity: 25%
Final test: 30%

Assignments must be submitted in PDF format

"Pak, saya tadi lupa belum absen…"

The final project is a web application project built by groups consisting of **three students** each

Be good friends
with English

First assignment:
Install XAMPP/WinNMP on your laptop!

I think that's it
for today.
(See you next week)

KEEP CALM AND LEARN PHP