**Windows Installation**

**Installing WampServer**

In this movie, we're going to download and install the WampServer package. You'll remember that Wamp is an abbreviation. Which stands for Windows, Apache, MySQL, and PHP. And Windows of course, we already have. So what we're really downloading is the A, M, and the P. The Apache, MySQL, and PHP as part of the WampServer package. And you can download the installer for that package from the WampServer website, which is <http://wampserver.com/en/>.

**Finding the document root**

It's a very important folder directory that we need to locate, so that we know where to put our web files as we work. It's the www folder, that is the file that is going to be served up by Apache. Apache is looking at this directory and returning pages from this directory. So you're going to want to put all of the PHP project files that we create, in this www directory. (C:\wamp\www)

**Configuring PHP**

Three things that we're going to be looking at, error reporting, output buffering, and timezone. You do that from your WAMPSERVER menu, and you choose local host and that will take you to the main WAMPSERVER page, and then phpinfo is a link down here that will actually take you to it. The most important one of those is this one. Loaded configuration file. That tells us where the configuration file for PHP lives. It's called php.ini. Now WAMP also gives you a short cut so that you don't actually have to go directly there. (C:\wamp\bin\apache\apache2.4.9\bin\php.ini)

display\_errors = On

error\_reporting = E\_ALL | E\_STRICT

html\_errors = On

output\_buffering = Off

date.timezone = America/Toronto

**Configuring MySQL**

 I want us to set a root password, MySQL, because by default, MySQL comes with no default password for the root user. Root user being the most powerful user on the system. Now the tool that we need in order to update the MySQL password is MySQL Admin, the tool that's installed with MySQL. Now to do that, we're going to have to go to the console. The Command Prompt. We want to navigate to the place where MySQL Admin lives. ( C:\wamp\bin\mysql\mysql5.6.17\bin):

mysqladmin –u root password

if we want to chang it again:

mysqladmin –u root –p password

 And we can confirm that by going into MySQL console in WAMP menu. (C:\wamp\bin\mysql\mysql5.6.17\bin\mysql.exe)

phpMyAdmin: a very popular application to look at your MySQL databases and to manage them by using a PHP web interface. phpMyAdmind is not setup to use a password by default. (C:\wamp\apps\phpmyadmin4.1.14\config.inc.php) So you would edit this file and you would find the location where it has password and change that to be your new root password.

**First Steps**

**Embedding PHP code on a page**

Index.html:

Hello from my user directory

<?php phpinfo(); ?>

Myinfo.php:

<?php

phpinfo();

?>

**Outputting dynamic text**

The real power of PHP comes from the ability to Output Dynamic Text.