

A decorative graphic on the left side of the slide, consisting of a network of white lines and circles on a teal background, resembling a circuit board or a neural network.

# WEEK 7

INTRODUCTION TO PHP

# STUDENT OBJECTIVES

- Upon completion of this video, you should be able to:
  - Understand the purpose of PHP
  - Identify the difference between where an HTML file runs compared to where a PHP file runs.
  - Put PHP code in amongst HTML code
  - Create a PHP variable
  - Use PHP code to display data and HTML tags in a webpage.

# PHP

- PHP runs on the server machine (where the webpage originates and the database resides)
- Any PHP code runs before the webpage is displayed to the user
- As soon as the page is displayed (finished loading), you can no longer run any of the initial PHP code.
- Can only use PHP if you have Apache running (or a web server running)

# MORE ON PHP

- The PHP code runs on the server and doesn't show in the served up webpage when it arrives at the client.
- Name the file with the extension .php
- Surround parts to be processed with `<?php` and `?>`
- Variables start with \$ and are case sensitive
- Example:

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<?php
```

```
$color="red";
```

```
echo "My car is " . $color . "<br>";
```

```
echo "My house is " . $COLOR . "<br>";
```

```
echo "My boat is " . $coLoR . "<br>";
```

```
?>
```

```
</body>
```

```
</html>
```

case sensitive

these variables are undefined yet.

My car is red  
My house is  
My boat is  
in html:

# MORE ON PHP

- For the workshop, you are going to:
  - In MySQL → Create a simple Vet database with 2 tables:
    - People with pets – a table called **owner**
      - owner table has: ownerid, first name and last name
    - Info about their pets – a table called **pet**
      - pet table has: petid, petname, species, petownerid
  - In a PHP file → connect to a database, select from the owner table, display all the owner data.
  - In a PHP file → list all the owners in radio buttons and a button to “Get that owner’s pets”
  - The button will call another .php file that, in a new page, lists all the selected owner’s pets.

Ownerid: 22  
Fname: Marge  
Lname: Simpson



petid: 57  
petname: Santa's Little Helper  
species: Dog  
ownerid: 22



# MORE ON PHP

- Then you will:
  - Let the user add a new pet. The user will select which owner, type a pet name into a textbox, pick the species, let the user press a button to call another PHP file to insert the data
- Finally you will:
  - Learn how to upload a file from the client's machine to the server, virtual machine (we will use an image of a pet)
  - Add a new pet with an image and display the image in the webpage.

# ASSIGNMENT 3

- Then you will have all the skills you need to do assignment 3.

# REVIEW – SOME EXTRA VIDEOS IF YOU WANT MORE INFO

- <http://www.youtube.com/watch?v=5sQ4scQz0qY&list=UUuZiNqgNdWbtEg29tMLVaNg&index=228>
- <http://www.youtube.com/watch?v=rDomdK2rxP8>
- <https://www.youtube.com/watch?v=7TF00hJI78Y>



# WORKSHOP:

- <http://www.csd.uwo.ca/~lreid/blendedcs3319/workshops/MySQLPHP.html>