Variables in PHP

This HTML code is passed along unchanged to the browser.

```
<html>
<head>
   <title>Aliens Abducted Me - Report an Abduction</title>
</head>
<body>
   <h2>Aliens Abducted Me - Report an Abduction</h2>
```

This PHP code is run by the server and generates HTML code containing data that was entered into the form.

```php
<?php
   $when_it_happened = $_POST['whenithappened'];
   $how_long = $_POST['howlong'];
   $alien_description = $_POST['aliendescription'];
   $fang_spotted = $_POST['fangspotted'];
   $email = $_POST['email'];

   echo 'Thanks for submitting the form.<br />';
   echo 'You were abducted ' . $when_it_happened;
   echo ' and were gone for ' . $how_long . '<br />';
   echo 'Describe them: ' . $alien_description . '<br />';
   echo 'Was Fang there? ' . $fang_spotted . '<br />';
   echo 'Your email address is ' . $email;
?>
```

```
</body>
</html>
```

report.php

More static HTML code, which the server passes along to the browser with no changes.
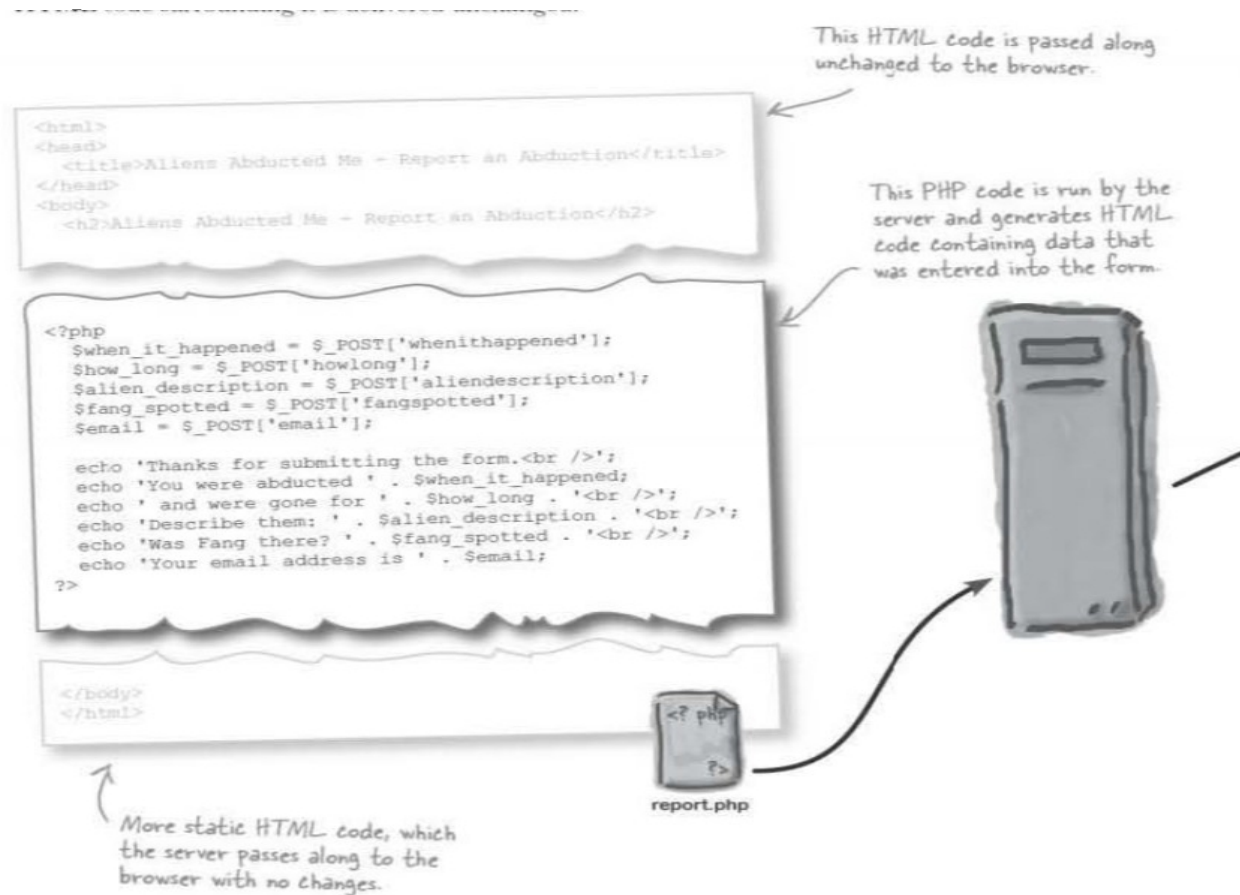
In the above form the code inside the PHP tag will grab the data coming from the HTML form.we have some PHP variables such as ($how_long, $email) etc which allow us to store values in text, number or in other format or even boolean value.

The echo committed HTML output which directly send to web browser

Every PHP statement must end with a semicolon(;)

If a file have both PHP and HTML code the it is good to name the file with .php extension in server.

PHP variables must be start with a $(dollar) sign and they are case sensitive. Ex-$student_id=$_post[student is];

In declaring PHP variable we cannot use special symbol or character other then _ and $ sign.

Use all lowercase for declaring variable

PHP manipulate HTML. It dynamically change HTML content. Change date and time, extracting data from database.calculate values etc

We can use <? ?php> it is legal technically but not recommend we have to change server setting. But <?php ?> always work.

```html
<html>
<head>
  <title>Aliens Abducted Me - Report an Abduction</title>
</head>
<body>
  <h2>Aliens Abducted Me - Report an Abduction</h2>

<?php
  $when_it_happened = $_POST['whenithappened'];
  $how_long = $_POST['howlong'];
  $alien_description = $_POST['description'];
  $fang_spotted = $_POST['fangspotted']
  $email = $_POST['email'];

  echo 'Thanks for submitting the form.<br />';
  echo 'You were abducted ' . $when_it_happened;
  echo ' and were gone for ' . $how_long . '<br />';
  echo 'Describe them: ' . $alien_description . '<br />';
  echo 'Was Fang there? ' . $fang_spotted . '<br />';
  echo 'Your email address is ' . $email;
?>

</body>
</html>
```

This line of code grabs the alien description from the HTML form field and stores it in a PHP variable named $alien_description.

This code combines the alien description with some other text and HTML code, and outputs all of it to the browser.

For some reason the $alien_description variable appears to be empty...not good.

report.php

Activate Windows
Go to Settings to ac

```php
$alien_description = 'little green men';
```

The equal sign tells PHP to assign the value on the right to the variable on the left

Pieces of text in PHP, also known as strings, must always be enclosed by quotes, either single quotes or double quotes.