

Crash Course



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Intro

PHP is an acronym for "PHP: Hypertext Preprocessor"

PHP is a widely-used, open source scripting language

PHP scripts are executed on the server
PHP is free to download and use.

PHP files can contain text, HTML, CSS, JavaScript, and PHP code.

PHP code is executed on the server, and the result is returned to the browser as plain HTML
PHP files have extension ".php".

PHP can generate dynamic page content.

PHP can create, open, read, write, delete, and close files on the server.

PHP can collect form data.

PHP can send and receive cookies.

PHP can add, delete, modify data in your database.

PHP can be used to control user-access.

PHP can encrypt data.

Intro

PHP runs on various platforms (Windows, Linux, Unix, Mac OS X, etc..)

PHP is compatible with almost all servers used today (Apache, IIS, etc.)

PHP supports a wide range of databases.

PHP is free. Download it from the official PHP resource: www.php.net.

PHP is easy to learn and runs efficiently on the server side.

Example

```
<!DOCTYPE html>
<html>
<body>
  <h1>My first PHP page</h1>
  <?php echo "Hello World!";?>
</body>
</html>
```

Variables

```
<?php
    $txt = "Hello world!";
    $x = 5;
    $y = 10.5;
    // echo variable;
?>
```

```
<?php
    $txt = "antonioscapellato.com";
    echo "I love " . $txt . "!";
?>
```

if.. else

```
<?php
    $t = date("H");
    if ($t < "20")
    {
        echo "Have a good day!";
    }
?>
```

for

```
<?php
  for ($x = 0; $x <= 10; $x++) {
    echo "The number is: $x <br>";}
?>
```

while

```
<?php
    $x = 1;
    while($x <= 5) {
        echo "The number is: $x <br>";
        $x++;
    }
?>
```


do while

```
<?php
    $x = 1;
    do {
        echo "The number is: $x <br>";
        $x++;
    } while ($x <= 5);
?>
```

foreach

```
<?php
    $colors= array("red", "green", "blue", "yellow");
    foreach ($colors as $value) {
        echo "$value <br>";
    }
?>
```

Forms

form.html

```
<html>
<body>
  <form action="welcome.php" method="get">
    Name:<input type="text" name="name"><br>
    E-mail:<input type="text" name="email"><br>
    <input type="submit">
  </form>
</body>
</html>
```

welcome.php

```
<html>
  <body>
    Welcome <?php echo $_GET["name"]; ?><br>
    Your email address is: <?php echo $_GET["email"];
  </body>
</html>
```

Forms

form.html

```
<html>
<body>
  <form action="welcome.php" method="get">
    Name:<input type="text" name="name"><br>
    E-mail:<input type="text" name="email"><br>
    <input type="submit">
  </form>
</body>
</html>
```

welcome.php

```
<html>
  <body>
    Welcome <?php echo $_GET["name"]; ?><br>
    Your email address is: <?php echo $_GET["email"];
  </body>
</html>
```

GET & POST

You can use the method POST instead of GET (just replace all the occurrences of get with post ...)

The GET method

It sends encoded user information append to the page request.

The GET method produces a long string that appears in your server logs, in the browser's Location: box.

The GET method is restricted to send upto 1024 characters only.

Never use GET method if you have password or other sensitive information to be sent to the server

.GET can't be used to send binary data, like images or word documents, to the server.

The data sent by GET method can be accessed using QUERY_STRING environment variable.

The PHP provides \$_GET associative array to access all the sent information using GET method.

The POST Method

The POST method transfers information via HTTP headers.

The information is encoded as described in case of GET method and put into a header called QUERY_STRING.

The POST method does not have any restriction on data size to be sent.

The POST method can be used to send ASCII as well as binary data. The data sent by POST method goes through HTTP header so security depends on HTTP protocol. By using Secure HTTP you can make sure that your information is secure. The PHP provides \$_POST associative array to access all the sent information using POST method.

Mysql

connection.php

```
<?php
    $servername = "localhost";$username = "username";
    $password = "password";// Create connection
    $conn = new mysqli($servername, $username, $password);
    if ($conn->connect_error) {
        die("Connection failed: " . $conn->connect_error);
    }
    echo "Connected successfully";
?>
```

home.php *(after the connection you can load information)*

```
<?php
    $sql = "SELECT id, firstname, lastname FROM MyGuests";
    $result = $conn->query($sql);
    if ($result->num_rows > 0) {
        // output data of each row
        while($row = $result->fetch_assoc()) {
            echo "id:". $row["id"]. " - Name: " . $row["firstname"]. " " .
            $row["lastname"]. "<br>";
        } else {
            echo "0 results";}
    $conn->close()
?>
```

Thank you!

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