PHP

PHP Basics

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Online PHP Editors

- https://www.tutorialspoint.com/execute_php_online.php
- https://www.codingrooms.com/compiler/php/

What is PHP

PHP (recursive acronym for PHP: Hypertext Preprocessor) is a widely-used open source general-purpose scripting language that is especially suited for web development and can be embedded into HTML.

What is a PHP File?

- PHP files can contain text, HTML, CSS, JavaScript, and PHP code.
- PHP code are executed on the server, and the result is returned to the browser as plain HTML.
- PHP files have extension ".php".

```
<!DOCTYPE html>
<html>
 <head>
  <title>PHP Test</title>
 </head>
 <body>
 <?php echo '<p>Hello World</p>'; ?>
 </body>
</html>
```

Example 1

```php
<?php
// Show all information, defaults to INFO_ALL
phpinfo();
// Show just the module information.
// phpinfo(8) yields identical results.
phpinfo(INFO_MODULES);
?>
```

Example 2

Visual Studio Code - PHP Extension Pack

https://marketplace.visualstudio.com/items?itemName=xdebug.php-pack

```
In PHP, all keywords (e.g. if, else, while, echo, etc.), classes,
functions, and user-defined functions are NOT case-sensitive.
<?php

ECHO "Hello World!<br>";
echo "Hello World!<br>";
EcHo "Hello World!<br>";
?>
```

Example 3: GitHub Code

all variable names are case-sensitive.

```
<?php
//
$color = "red";
$COLOR="GREEN";
echo "My car is " . $color . "<br>";
echo "My house is " . $COLOR . "<br>";
echo "My boat is " . $coLOR . "<br>";
?>
```

Example 4: GitHub code

Variables

```
<?php

$txt = "W3Schools.com";
echo "I love $txt!";
// produce the same output
echo "<br>";
echo "I love " . $txt . "!";

?>
```

Download example code

```
<?php

$x = 5;
$y = 4;
echo $x + $y;
```

```php
?>
```

Example 6: GitHub code

Local scope variable

```php
<?php
function myTest() {
    $x = 5; // local scope
    echo "<p>Variable x inside function is: $x</p>";
}
myTest();

// using x outside the function will generate an error
echo "<p>Variable x outside function is: $x</p>";
?>
```

Example 7: GitHub code

Global scope variable

```php
<?php
$x = 5; // global scope

function myTest() {
    // using x inside this function will generate an error
    echo "<p>Variable x inside function is: $x</p>";
}
myTest();

echo "<p>Variable x outside function is: $x</p>";
?>
```

Example 8: GitHub code

```php
<?php
$x = 5; // global scope
$y = 10;

function myTest() {
 global $x, $y;  // use global scope variable in function
    $y = $x + $y;

}
```

```php
myTest();
echo $y; // outputs 15
?>
```

Example 9: GitHub code

$GLOBALS

An associative array containing references to all variables which are currently defined in the global scope of the script. The variable names are the keys of the array.

Example #1 $GLOBALS example

```php
<?php
$x = 5;
$y = 10;

function myTest() {
    $GLOBALS['y'] = $GLOBALS['x'] + $GLOBALS['y'];
}

myTest();
echo $y; // outputs 15
?>
```

Download example code

Static variable

A static int variable remains in memory while the program is running. A normal or auto variable is destroyed when a function call where the variable was declared is over. [1]

Example #1 static variable example

```php
<?php
function myTest() {
    static $x = 0;
    echo $x . "<br \>";
    $x++;
}

myTest();
myTest();
myTest();
myTest();
?>
```

Example 11: GitHub code

String functions

References

1. [Static variables](#)