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PHP 5 Functions

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The real power of PHP comes from its functions; it has more than 1000 built-in functions.

PHP User Defined Functions

Besides the built-in PHP functions, we can create our own functions.

A function is a block of statements that can be used repeatedly in a program.

A function will not execute immediately when a page loads.

A function will be executed by a call to the function.

Create a User Defined Function in PHP

A user defined function declaration starts with the word "function":

Syntax



```
function functionName() {  
    code to be executed;  
}
```

Note: A function name can start with a letter or underscore (not a number).

Tip: Give the function a name that reflects what the function does!



Function names are NOT case-sensitive.

In the example below, we create a function named "writeMsg()". The opening curly brace ({) indicates the beginning of the function code and the closing curly brace (}) indicates the end of the function. The function outputs "Hello world!". To call the function, just write its name:

Example

```
<?php  
function writeMsg() {  
    echo "Hello world!";  
}  
  
writeMsg(); // call the function  
?>
```

[Run example » \(showphp.asp?filename=demo_function1\)](#)

PHP Function Arguments

Information can be passed to functions through arguments. An argument is just like a variable.

Arguments are specified after the function name, inside the parentheses. You can add as many arguments as you want, just separate them with a comma.

The following example has a function with one argument (\$fname). When the familyName() function is called, we also pass along a name (e.g. Jani), and the name is used inside the function, which outputs several different first names, but an equal last name:

Example

```
<?php  
function familyName($fname) {  
    echo "$fname Refsnes.<br>";  
}  
  
familyName("Jani");  
familyName("Hege");  
familyName("Stale");  
familyName("Kai Jim");  
familyName("Borge");  
?>
```

[Run example » \(showphp.asp?filename=demo_function2\)](#)

The following example has a function with two arguments (\$fname and \$year):

Example

Example

```
<?php
function familyName($fname, $year) {
    echo "$fname Refsnes. Born in $year <br>";
}

familyName("Hege", "1975");
familyName("Stale", "1978");
familyName("Kai Jim", "1983");
?>
```

Run example » (showphp.asp?filename=demo_function3)

PHP Default Argument Value

The following example shows how to use a default parameter. If we call the function setHeight() without arguments it takes the default value as argument:

Example

```
<?php
function setHeight($minheight = 50) {
    echo "The height is : $minheight <br>";
}

setHeight(350);
setHeight(); // will use the default value of 50
setHeight(135);
setHeight(80);
?>
```

Run example » (showphp.asp?filename=demo_function4)

PHP Functions - Returning values

To let a function return a value, use the return statement:

Example

```
<?php
function sum($x, $y) {
    $z = $x + $y;
    return $z;
}

echo "5 + 10 = " . sum(5, 10) . "<br>";
echo "7 + 13 = " . sum(7, 13) . "<br>";
echo "2 + 4 = " . sum(2, 4);
?>
```

Run example » (showphp.asp?filename=demo_function5)

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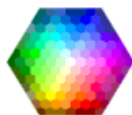
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