

Creating (Declaring) PHP Variables

In PHP, a variable starts with the \$ sign, followed by the name of the variable:

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

PHP echo and print Statements

```
<?php
echo "<h2>PHP is Fun!</h2>";
echo "Hello world!<br>";
echo "I'm about to learn PHP!<br>";
echo "This ", "string ", "was ", "made ", "with multiple parameters.";
?>
```

if...else...elseif Statements

```
if (condition) {
    code to be executed if condition is true;
}
```

```
if (condition) {
    code to be executed if condition is true;
} else {
    code to be executed if condition is false;
}
```

```
if (condition) {
    code to be executed if condition is true;
} elseif (condition) {
    code to be executed if condition is true;
} else {
    code to be executed if condition is false;
}
```

while Loops

```
while (condition is true) {  
    code to be executed;  
}
```

The PHP for Loop

```
for (init counter; test counter; increment counter) {  
    code to be executed;  
}
```

Create a User Defined Function in PHP

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

PHP Function Arguments

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

PHP Functions - Returning values

```
<?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);
?>
```

PHP 5 Arrays

```
<?php
$cars = array("Volvo", "BMW", "Toyota");
echo "I like " . $cars[0] . ", " . $cars[1] . " and " . $cars[2] . ".";
?>
```

PHP Associative Arrays

```
$age = array("Peter"=>"35", "Ben"=>"37", "Joe"=>"43");
```

Loop Through an Associative Array

```
foreach ($cars as $x)
{
    echo $x . '<br>';
}
```

PHP 5 Form Handling

```
<html>
<body>

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

</body>
</html>
```

The "welcome.php" looks like this:

```
<?php echo $_POST["name"]; ?><br>
<?php echo $_POST["email"]; ?>
```

PHP 5 Mail Function

mail(\$TO, \$SUBJECT, \$CONTENT);

The PHP Date() Function

date(*format*, *timestamp*);

- d - Represents the day of the month (01 to 31)
- m - Represents a month (01 to 12)
- Y - Represents a year (in four digits)
- l (lowercase 'l') - Represents the day of the week

• Get a Simple Time

- h - 12-hour format of an hour with leading zeros (01 to 12)
- i - Minutes with leading zeros (00 to 59)
- s - Seconds with leading zeros (00 to 59)
- a - Lowercase Ante meridiem and Post meridiem (am or pm)

date_default_timezone_set("America/New_York");

PHP include and require Statements

The include (or require) statement takes all the text/code/markup that exists in the specified file and copies it into the file that uses the include statement.

Including files is very useful when you want to include the same PHP, HTML, or text on multiple pages of a website.

```
require 'filename';
```

Open a Connection to MySQL

```
<?php
    $dbhost="HOST ADDRESS";
    $dbuser="DB USERNAME";
    $dbpass="DB PASSWORD";
    $dbname="DB NAME";

    @$con= new mysqli($dbhost, $dbuser, $dbpass, $dbname);
    mysqli_set_charset($con, "utf8");

    if(mysqli_connect_errno())
    {
        die('connect error');
    }

?>
```

Create a MySQL Table

```
CREATE TABLE MyGuests (
id INT(6) UNSIGNED AUTO_INCREMENT PRIMARY KEY,
firstname VARCHAR(30) NOT NULL,
lastname VARCHAR(30) NOT NULL,
email VARCHAR(50),
reg_date TIMESTAMP
);
```

PHP Insert Data Into MySQL

```
INSERT INTO table_name (column1, column2, column3,...)
VALUES (value1, value2, value3,...)
```

```
$quer="INSERT INTO shouts (user, message, time) VALUES ('$user','$message','$time')" ;
    if(!$con->query($quer))
    {
        die('Insert Error');
    }
    else
    {
        header("Location: index.php");
        exit();
    }
```

PHP Select Data From MySQL

```
$quer="SELECT * FROM shouts ORDER BY id DESC";
$result=$con->query($quer);
while ($row=$result->fetch_assoc())
{
    echo $row['user'].'<br>';
    echo $row['message'].'<br>';
    echo $row['time'];
}
```