* **PHP 5 Arrays**

An array stores multiple values in one single variable:

**<!-- array1.php -->**

<!DOCTYPE html>

<html>

<body>

<?php

$beh = array("Good", "Better", "Best");

echo "I like " . $beh[0] . ", " . $beh[1] . " and " . $beh[2] . ".";

?>

</body>

</html>

* **What is an Array?**

An array is a special variable, which can hold more than one value at a time. If you have a list of items (a list of beh names, for example), storing the behaviours in single variables could look like this:

$beh1 = "Good";  
$beh2 = "Better”;  
$beh3 = "Best";

* **Create an Array in PHP**

In PHP, the array() function is used to create an array:

array();

In PHP, there are three types of arrays:

* **Indexed arrays** - Arrays with a numeric index
* **Associative arrays** - Arrays with named keys
* **Multidimensional arrays** - Arrays containing one or more arrays
* **PHP Indexed Arrays**

There are two ways to create indexed arrays:

The index can be assigned automatically (index always starts at 0), like this:

$beh = array("Good", "Better", "Best");

or the index can be assigned manually:

$beh[0] = "Good";  
$beh[1] = "Better";  
$beh[2] = "Best";

* **Get The Length of an Array - The count() Function**

The count() function is used to return the length (the number of elements) of an array:

<?php  
$beh = array("Good", "Better", "Best");

echo count($beh);  
?>

Loop Through an Indexed Array

To loop through and print all the values of an indexed array, you could use a for loop, like this:

**<!-- array2.php -->**

<!DOCTYPE html>

<html>

<body>

<?php

$beh = array("Good", "Better", "Best");

$arrlength = count($beh);

for($x = 0; $x < $arrlength; $x++)

{

echo $beh[$x];

echo "<br>";

}

?>

</body>

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* **PHP Associative Arrays**

Associative arrays are arrays that use named keys that you assign to them.

There are two ways to create an associative array:

$age = array("Ankita"=>"35", "Gunja"=>"37", "Pavitrata"=>"43");

or:

$age[Ankita] = "35";  
$age[Gunja] = "37";  
$age[Pavitrata] = "43";

**<!-- array3.php -->**

<!DOCTYPE html>

<html>

<body>

<?php

$age = array("Ankita"=>"35", "Gunja"=>"37", "Pavitrata"=>"43");

echo "Ankita is " . $age['Ankita'] . " years old.";

?>

</body>

</html>

* **Loop Through an Associative Array**

To loop through and print all the values of an associative array, you could use a foreach loop, like this:

**<!-- array4.php -->**

<!DOCTYPE html>

<html>

<body>

<?php

$age = array("Ankita"=>"35", "Gunja"=>"37", "Pavitrata"=>"43");

foreach($age as $x => $x\_value)

{

echo "Key=" . $x . ", Value=" . $x\_value;

echo "<br>";

}

?>

</body>

</html>

* **PHP array\_push() Function**

Insert "Pavitrata" and "Bandhan" to the end of an array:

**<!-- array5.php -->**

<!DOCTYPE html>

<html>

<body>

<?php

$nm=array("Ankita","Gunja");

array\_push($nm,"Pavitrata","Bandhan");

print\_r($nm);

?>

</body>

</html>

* **PHP array\_pop() Function**

Delete the last element of an array:

**<!-- array6.php -->**

<!DOCTYPE html>

<html>

<body>

<?php

$nm=array("Ankita","Gunja","Pavitrata","Bandhan");

array\_pop($nm);

print\_r($nm);

?>

</body>

</html>

* **PHP array\_search() Function**

Search an array for the value "Bandhan" and return its key:

**<!-- array7.php -->**

<!DOCTYPE html>

<html>

<body>

<?php

$nm=array("a"=>"Ankita","b"=>"Gunja","c"=>"Pavitrata","d"=>"Bandhan");

echo array\_search("Bandhan",$nm);

?>

</body>

</html>

* **PHP in\_array() Function**

Search for the value "Pavitrata" in an array and output some text:

Definition and Usage

The in\_array() function searches an array for a specific value. Note: If the search parameter is a string and the type parameter is set to TRUE, the search is case-sensitive.

Syntax

in\_array(search,array,type)

|  |  |
| --- | --- |
| Parameter | Description |
| search | Required. Specifies the what to search for |
| array | Required. Specifies the array to search |
| type | Optional. If this parameter is set to TRUE, the in\_array() function searches for the search-string and specific type in the array. |

**<!-- array8.php -->**

<!DOCTYPE html>

<html>

<body>

<?php

$nm=array("Ankita","Gunja","Pavitrata","Bandhan",20);

if (in\_array("20", $nm, TRUE))

{

echo "Match found<br>";

}

else

{

echo "Match not found<br>";

}

if (in\_array("Pavitrata",$nm, TRUE))

{

echo "Match found<br>";

}

else

{

echo "Match not found<br>";

}

if (in\_array(20,$nm, TRUE))

{

echo "Match found<br>";

}

else

{

echo "Match not found<br>";

}

?>

</body>

</html>