

PHP Indexed Arrays

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PHP 1 Indexed Arrays

```
<h4>Indexed_Arrays</h4>
<p>Create and display an indexed array:</p>
<pre>
<?php
$cars = array("Volvo", "BMW", "Toyota");
var_dump($cars);
?>
</pre>
```

Indexed_Arrays

Create and display an indexed array:

```
array(3) {  
  [0]=>  
  string(5) "Volvo"  
  [1]=>  
  string(3) "BMW"  
  [2]=>  
  string(6) "Toyota"  
}
```

Example 1

Result [View Example](#)

PHP 2 Access Indexed Arrays

To access an array item you can refer to the index number.

```
<h4>Access_Indexed_Arrays</h4>  
<p>To access an array item you can refer to the index number.</p>  
<?php  
$cars = array("Volvo", "BMW", "Toyota");  
echo $cars[0];  
?>
```

Access_Indexed_Arrays

To access an array item you can refer to the index number.

Volvo

Example 2

Result [View Example](#)

PHP 3 Change Value

To change the value of an array item, use the index number:

```
<h4>Change_Value</h4>
<?php
$cars = array("Volvo", "BMW", "Toyota");
$cars[1] = "Ford";
var_dump($cars);
?>
```

Change_Value

```
array(3) { [0]=> string(5) "Volvo" [1]=> string(4) "Ford" [2]=> string(6) "Toyota" }
```

Example 3

Result [View Example](#)

PHP 4 Loop Through an Indexed Array

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

```
<h4>Loop_Through_an_Indexed_Array</h4>
<?php
$cars = array("Volvo", "BMW", "Toyota");
foreach ($cars as $x) {
    echo "$x <br>";
}
?>
```

Loop_Through_an_Indexed_Array

```
Volvo
BMW
Toyota
```

Example 4

Result [View Example](#)

PHP 5 Index Number

The key of an indexed array is a number, by default the first item is 0 and the second is 1 etc., but there are exceptions.

New items get the next index number, meaning one higher than the highest existing index.

```
<h4>Index_Number</h4>
<p>if you use the array_push() function to add a new item, the new item
will get the index 3:</p>
<pre>
<?php
$cars[0] = "Volvo";
$cars[1] = "BMW";
$cars[2] = "Toyota";

array_push($cars, "Ford");
var_dump($cars);
?>
</pre>
```

Index_Number

if you use the array_push() function to add a new item, the new item will get the index 3:

```
array(4) {
  [0]=>
  string(5) "Volvo"
  [1]=>
  string(3) "BMW"
  [2]=>
  string(6) "Toyota"
  [3]=>
  string(4) "Ford"
}
```

Example 5

Result [View Example](#)

PHP 6 Random Index Number

If you assign a new value without an index number, PHP will automatically assign one for you.

```
<h4>Random_Index_Number</h4>
<pre>
<?php
$cars[5] = "Volvo";
$cars[7] = "BMW";
```

```
$cars[14] = "Toyota";  
  
array_push($cars, "Ford");  
var_dump($cars);  
?>  
</pre>
```

Random_Index_Number

```
array(4) {  
  [5]=>  
  string(5) "Volvo"  
  [7]=>  
  string(3) "BMW"  
  [14]=>  
  string(6) "Toyota"  
  [15]=>  
  string(4) "Ford"  
}
```

Example 6

Result [View Example](#)

Document

Document in project

You can [Download PDF](#) file.

Reference