Swapping Array Keys and Values in PHP

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Introduction

In this article I will explain how to swap Array Keys and Values in PHP. To do this I will use some important array functions.

The array_flip() function exchanges all keys with their associated values in an array.

Syntax

Array_flip($var_name);

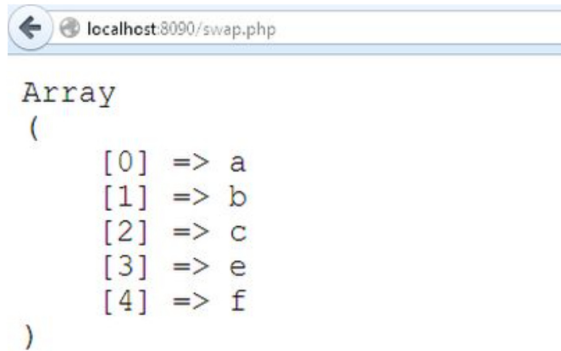| Parameter	
Var_name	An array of key/value pairs to be flipped or swapped.

Return Value

This function returns the flipped array on success and NULL on failure.

Example

```php
<?php
$swap = array("a" => 0, "b" => 1, "c" => 2,"d" => 3,"e" => 3,"f" => 4);
$swap = array_flip($swap);
echo "<pre>";print_r($swap);
?>
```

Output

localhost:8090/swap.php

```
Array
(
    [0] => a
    [1] => b
    [2] => c
    [3] => e
    [4] => f
)
```

The array_values() function returns all the values from the input array and indexes the array numerically.

Syntax

Array_values($var_name);

Parameter	
Var_name	Pass the array variable name

Return Value

This function returns an indexed array of values.

Example

```php
<?php
$array = array("size" => "AB", "color" => "PINK");
echo "<pre>";print_r(array_values($array));
?>
```

Output

```
←  🌐 localhost:8090/swap.php

Array
(
     [0] => AB
     [1] => PINK
)
```

The array_keys() function returns all the keys or a subset of the keys of an array.

Syntax

Array_keys($var_name);

Parameter	
Var_name	An array containing keys to return.

Return Value

This function returns an array of all the keys in the input.
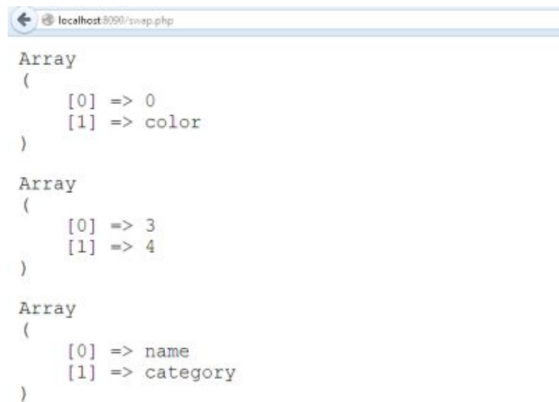
Example

```php
<?php
$array = array(0 => 200, "color" => "White");
echo "<pre>";print_r(array_keys($array));

$array = array("PHP", ".Net", "Java", "SAP", "SAP");
echo "<pre>";print_r(array_keys($array, "SAP"));

$array = array("name" => array("you", "yes", "tom"),
          "category"  => array("obc", "general", "sc/st"));
echo "<pre>";print_r(array_keys($array));
?>
```

Output

```
←  🌐 localhost:8090/swap.php

Array
(
     [0] => 0
     [1] => color
)

Array
(
     [0] => 3
     [1] => 4
)

Array
(
     [0] => name
     [1] => category
)
```

This array_reverse() function returns an array with elements in reverse order.

Syntax

($var_name);

Parameter	
Var_name	Input the array

Return Value

This function returns the array reversed.

Example

```php
<?php
$input  = array("php", 5, array("green", "pink"));
$reverse= array_reverse($input);
$preserved = array_reverse($input, true);
echo "<pre>";print_r($input);
echo "<pre>";print_r($reverse);
echo "<pre>";print_r($preserved);
?>
```

Output

```
Array
(
    [0] => php
    [1] => 5
    [2] => Array
        (
            [0] => green
            [1] => pink
        )

)
Array
(
    [0] => Array
        (
            [0] => green
            [1] => pink
        )

    [1] => 5
    [2] => php
)
Array
(
    [2] => Array
        (
            [0] => green
            [1] => pink
        )

    [1] => 5
    [0] => php
)
```

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