

PHP Sorting Arrays

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Sort Functions For Arrays In this chapter, we will go through the following PHP array sort functions:

- `sort()` - sort arrays in ascending order
- `rsort()` - sort arrays in descending order
- `asort()` - sort associative arrays in ascending order, according to the value
- `ksort()` - sort associative arrays in ascending order, according to the key
- `arsort()` - sort associative arrays in descending order, according to the value
- `krsort()` - sort associative arrays in descending order, according to the key

PHP 1 Sort Array in Ascending Order - `sort()`

The following example sorts the elements of the `$cars` array in ascending alphabetical order:

```
<h4>Sort_Array_in_Ascending_Order</h4>
<p>The following example sorts the elements of the $cars array in ascending alphabetical order:</p>
<?php
$cars = array("Volvo", "BMW", "Toyota");
sort($cars);

$clength = count($cars);
for($x = 0; $x < $clength; $x++) {
    echo $cars[$x];
    echo "<br>";
}
?>
<hr>
<p>The following example sorts the elements of the $numbers array in ascending numerical order:</p>

<?php
$numbers = array(4, 6, 2, 22, 11);
sort($numbers);

$arlength = count($numbers);
for($x = 0; $x < $arlength; $x++) {
    echo $numbers[$x];
```

```
    echo "<br>";  
}  
?>
```

Sort_Array_in_Ascending_Order

The following example sorts the elements of the \$cars array in ascending alphabetical order:

BMW
Toyota
Volvo

The following example sorts the elements of the \$numbers array in ascending numerical order:

2
4
6
11
22

Example 1

Result [View Example](#)

PHP 2 Sort Array in Descending Order - rsort()

The following example sorts the elements of the \$cars array in descending alphabetical order:

```
<h4>Sort_Array_in_Descending_Order</h4>  
<p></p>  
<?php  
$cars = array("Volvo", "BMW", "Toyota");  
rsort($cars);  
  
$clength = count($cars);  
for($x = 0; $x < $clength; $x++) {  
    echo $cars[$x];  
    echo "<br>";  
}  
?>  
<hr>  
<p>The following example sorts the elements of the $numbers array  
in descending numerical order:</p>  
<?php  
$numbers = array(4, 6, 2, 22, 11);  
rsort($numbers);
```

```
$arrlength = count($numbers);  
for($x = 0; $x < $arrlength; $x++) {  
    echo $numbers[$x];  
    echo "<br>";  
}  
?>
```

Sort_Array_in_Descending_Order

Volvo
Toyota
BMW

The following example sorts the elements of the \$numbers array in descending numerical order:

22
11
6
4
2

Example 2

Result [View Example](#)

PHP 3 Sort Array (Ascending Order), According to Value - asort()

The following example sorts an associative array in ascending order, according to the value:

```
<h4>According_to_Value_Ascending</h4>  
<?php  
$age = array("Peter"=>"35", "Ben"=>"37", "Joe"=>"43");  
asort($age);  
  
foreach($age as $x => $x_value) {  
    echo "Key=" . $x . ", Value=" . $x_value;  
    echo "<br>";  
}  
?>
```

According_to_Value_Ascending

Key=Peter, Value=35

Key=Ben, Value=37

Key=Joe, Value=43

Example 3

Result [View Example](#)

PHP 4 According to Key Ascending

The following example sorts an associative array in ascending order, according to the key:

```
<h4>According_to_Key_Ascending</h4>
<?php
$page = array("Peter"=>"35", "Ben"=>"37", "Joe"=>"43");
ksort($page);

foreach($page as $x => $x_value) {
echo "Key=" . $x . ", Value=" . $x_value;
echo "<br>";
}
?>
```

According_to_Key_Ascending

Key=Ben, Value=37

Key=Joe, Value=43

Key=Peter, Value=35

Example 4

Result [View Example](#)

PHP 5 According to Value Descending

The following example sorts an associative array in descending order, according to the value:

```
<h4>According_to_Value_Descending</h4>
<?php
$page = array("Peter"=>"35", "Ben"=>"37", "Joe"=>"43");
```

```
arsort($age);

foreach($age as $x => $x_value) {
    echo "Key=" . $x . ", Value=" . $x_value;
    echo "<br>";
}
```

?>

According_to_Value_Descending

Key=Joe, Value=43

Key=Ben, Value=37

Key=Peter, Value=35

Example 5

Result [View Example](#)

PHP 6 According to Key Descending

The following example sorts an associative array in descending order, according to the key:

```
<h4>According_to_Key_Descending</h4>
<?php
    $age = array("Peter"=>"35", "Ben"=>"37", "Joe"=>"43");
    krsort($age);

    foreach($age as $x => $x_value) {
        echo "Key=" . $x . ", Value=" . $x_value;
        echo "<br>";
    }
    ?>
```

According_to_Key_Descending

Key=Peter, Value=35

Key=Joe, Value=43

Key=Ben, Value=37

Example 6

Result [View Example](#)

Document

Document in project

You can [Download PDF](#) file.

Reference