

10. PHP Sorting Arrays

The elements in an array can be sorted in alphabetical or numerical order, descending or ascending.

10.1. PHP - 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
- `krsort()` - 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

10.2. Sort Array in Ascending Order - `sort()`

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

Example 1

```
<?php
$cars=array("Volvo","BMW","Toyota");
sort($cars);
?>
```

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

Example 2

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

10.3. Sort Array in Descending Order - rsort()

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

Example 3

```
<?php
$cars=array("Volvo", "BMW", "Toyota");
rsort($cars);
?>
```

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

Example 4

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

10.4. Sort Array in Ascending Order, According to Value - asort()

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

Example 5

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

10.5. Sort Array in Ascending Order, According to Key - ksort()

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

Example 6

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

10.6. Sort Array in Descending Order, According to Value - arsort()

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

Example 7

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

10.7. Sort Array in Descending Order, According to Key – krsort()

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

Example 8

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

10.8 Complete PHP Array Reference

For a complete reference of all array functions, go to our complete PHP Array Reference.

The reference contains a brief description, and examples of use, for each function!