

Sorting Arrays

Learn how to sort arrays in PHP.

We'll cover the following ^

- Sorting Indexed Arrays
 - By Value
 - `sort()`
- Sorting Associative Arrays
 - By Value
 - `asort()`
 - `arsort()`
 - By Key
 - `ksort()`
 - `krsort()`

Sorting Indexed Arrays

By Value

`sort()`

`sort()` is a built-in function in PHP that can be used to sort arrays in ascending order., in *ascending order*, by value. The associated keys are **not preserved** during this. Run the code below to see an example of `sort()`.

```
<?php
$fruits = ['Raspberry', 'Orange', 'Apricot','Banana', 'Apple','Olive' ]; //defining and array
sort($fruits); //applying the sort function
print_r($fruits); //printing the sorted array
?>
```



Sorting Associative Arrays

By Value

By Value

`asort()` #

`asort()` is a built-in function in PHP that can be used to sort associative arrays in ascending order. Since associative arrays are key-value pairs, `asort` sorts the associative array on values. Keys with each value will be preserved. Run the code below to see an example of `asort()`.

```
<?php
$fruits = [1=>'Raspberry',2=>'Orange',3=>'Apricot',4=>'Banana', 5=>'Apple',6=>'Olive' ]; //definition
asort($fruits); //applying the sort function
print_r($fruits); //printing the sorted array
?>
```



`arsort()` #

`arsort()` is a built-in function in PHP that can be used to sort associative arrays in descending order based on their values. As with the `asort` function, `arsort` also preserves the keys with each value.

```
<?php
$fruits = [1=>'Raspberry',2=>'Orange',3=>'Apricot',4=>'Banana', 5=>'Apple',6=>'Olive' ]; //definition
arsort($fruits); //applying the sort function
print_r($fruits); //printing the sorted array
?>
```



By Key

`ksort()` #

`ksort()` is a built-in function in PHP that can be used to sort an associative array, in ascending order, by key. The associated values are preserved during this sort.

Run the code below to see an example of `ksort()`.

```
<?php
$fruits = ['f'=>'Raspberry','d'=>'Orange','a'=>'Apricot','c'=>'Banana', 'b'=>'Apple','e'=>'Olive'];
ksort($fruits); //applying the sort function
print_r($fruits); //printing the sorted array
?>
```



`krsort()` #

`krsort()` is a built-in function in PHP that be used to sort an associative array in descending order, by key. The associated values are preserved during this sort.”

Run the code below to see an example of `krsort()`.

```
<?php
$fruits = ['d'=>'Raspberry','b'=>'Orange','a'=>'Apricot','e'=>'Banana', 'f'=>'Apple','c'=>'Olive']
krsort($fruits); //applying the sort function
print_r($fruits); //printing the sorted array
?>
```



The next lesson will discuss how you can merge two arrays together.