

17 Multidimensional Arrays Functions

`array_multisort()` This function can be used to sort multiple arrays at once or a multi-dimensional array by one or more dimensions.

```
$names = ["Tina", "Bob", "Alice"];
$ages  = [28, 22, 25];
array_multisort($names, $ages);

print_r($names);
print_r($ages);
```

`array_column()` This function returns the values from a single column in the input array.

```
$users = [
    ['id' => 1, 'name' => 'Alice', 'email' => 'alice@example.com'],
    ['id' => 2, 'name' => 'Bob', 'email' => 'bob@example.com'],
    ['id' => 3, 'name' => 'Tina', 'email' => 'tina@example.com'],
];
$names = array_column($users, 'name');
print_r($names);
```

`array_map()` This function applies a callback to the elements of the given arrays and returns an array containing all the elements after applying the callback function.

```
$numbers = [1, 2, 3, 4, 5];

$squaredNumbers = array_map(function($n) {
    return $n * $n;
}, $numbers);

print_r($squaredNumbers);
```

#php