

## 12 Array Creation and Manipulation Functions

`array()` - Creates an array.

```
$fruits = array("apple", "banana", "cherry");
```

`array_values()` - Returns all the values from the array.

```
$assoc = array("a" => "apple", "b" => "banana", "c" => "cherry");  
$values = array_values($assoc);
```

`array_keys()` - Returns all the keys from the array.

```
$assoc = array("a" => "apple", "b" => "banana", "c" => "cherry");  
$keys = array_keys($assoc);
```

`array_combine()` - Combines two arrays: one for keys and the other for values.

```
$keys = array("a", "b", "c");  
$values = array("apple", "banana", "cherry");  
$combined = array_combine($keys, $values);
```

`array_fill()` - Fills an array with values.

```
$filled = array_fill(0, 3, "apple");
```

`array_push()` - Adds one or more elements to the end of an array.

```
$fruits = array("apple", "banana", "cherry");  
array_push($fruits, "date", "elderberry");
```

`array_pop()` - Removes the last element from an array.

```
$fruits = array("apple", "banana", "cherry");  
$lastFruit = array_pop($fruits);
```

`array_unshift()` - Adds one or more elements to the beginning of an array.

```
$fruits = array("apple", "banana", "cherry");  
array_unshift($fruits, "apricot");
```

`array_shift()` - Removes the first element from an array.

```
$fruits = array("apple", "banana", "cherry");  
$firstFruit = array_shift($fruits);
```

`array_splice()` - Removes a portion of the array and replaces it with something else.

```
$fruits = array("apple", "banana", "cherry");  
array_splice($fruits, 1, 2, array("fig", "grape"));
```

`array_slice()` - Extracts a portion of the array

```
$fruits = array("apple", "banana", "cherry");  
$portion = array_slice($fruits, 1, 2);
```

#php