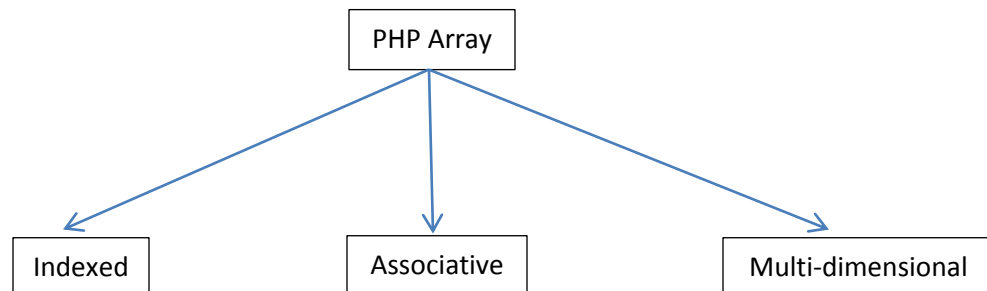




## PHP Arrays

An array is a special variable which can hold more than one value at a time.



## Multi-dimensional Array

A Multi-dimensional array is an array containing one or more arrays.

It can be a two-dimensional, three or more dimensional.

However, arrays more than three dimension are hard to manage for most people.

## Two- dimensional Array

A two-dimensional array is an array of arrays, whereas a three-dimensional array is an array of arrays of arrays.

Let's look at the following table below:

Name	Stock	Sold
Honda	30	20
Mercedes	10	5
Toyota	25	20
Range	15	10

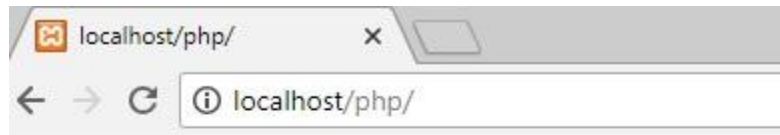
We can store the data from the table above in a two-dimensional array:

```
<?php
$cars = array(
    array("Honda", 30, 20),
    array("Mercedes", 10, 5),
    array("Toyota", 25, 20),
    array("Range", 15, 10),
);
?>
```

We can put a **for loop** inside another **for loop** to get the elements of the **\$car** array.

```
<?php
$cars = array(
    array("Honda", 30, 20),
    array("Mercedes", 10, 5),
    array("Toyota", 25, 20),
    array("Range", 15, 10),
);

echo '<table>';
echo
    '<tr>
        <th>Name</th>
        <th>Stock</th>
        <th>Sold</th>
    </tr>';
for($row = 0; $row < 4; $row++){
    echo
        '<tr>';
        for($col = 0; $col < 3; $col++){
            echo
                '
                <td>'.$cars[$row][$col]. '</td>
            ';
        }
        echo
            '</tr>';
    }
echo '</table>';
?>
```



Name	Stock	Sold
Honda	30	20
Mercedes	10	5
Toyota	25	20
Range	15	10