

Declaration

explicit	<code><?php</code>	<code><?php</code>
location	<pre>\$printer[0] = " Laserjet 2001"; \$printer[1] = " LMP 172 4fa st";</pre>	<pre>\$printer["R&B PRINTERS"] = " Laserjet 2002"; \$printer["Jackson Printers"] = " J20 01L ase rje - t"; //result array ('R&B PRINTERS' => " Laserjet 2002", 'Jackson Printers' => " J20 01L - ase rje t",)</pre>

implicit

```
$printer[] = " Laserjet 2001";
$printer[] = " LMP 172 4fa st";
```

Associative Arrays

```
<?php
$printer["R&B PRINTERS"] = " Laserjet 2002";
$printer["Jackson Printers"] = " J20 01L - ase rje - t";

//result
array (
    'R&B PRINTERS' => " Laserjet 2002",
    'Jackson Printers' => " J20 01L - ase rje t",
)
```

with **associative arrays**, you can reference the items in an array by name rather than by number.

Multidimensional Arrays

```
<?php
$products = array(
    'pens' => array(
        'ball' => "Ball Point",
        'hi lite' => " Hig hli ght ers ",
        'ma rker' => " Mar ker s"),
    'misc' => array(
        'tape' => " - Sticky Tape",
        'glue' => " - Adh esi ves ",
        'clips' => " - Pap erc lip s"
    )
);
```

Assignment using the array Keyword

The for..each as loop

```
<?php
$paper = array( " Cop ier ",
" Ink jet ", " Las er", " Pho - to");

$j = 0;
for eac h($ paper as $item)
{
    echo "$j: $item<br> ";
    ++$j;
}

?>
```

Functions

Functions

is_array()

```
echo (is_ar ray ($p rod ucts)) ? "y";
```

count()

```
echo count( $pr odu cts);
```

sort()

```
sort($products);
sort($products, SORT_NUMERIC);
sort($products, SORT_S TRING);
```

shuffle()

```
shuffl e($ cards);
```

explode()

```
<?php
$temp = explode(' ', "This is a se
print_ r($ temp);

?>
```

extract()

```
extrac t($ _GET);
```

compact()

```
<?php
$planet = " Gal lif rey ";
$system = " Gri dlo ck";
$const ell ation = " Kas ter - bor ous ";
$contact = compact 'planet',
'system', 'const ell ati on';
```

use compact, the inverse of extract, to create an array from variables and their values.

```
`<?php
$p1 = array("China", "Russia",
"Austria", "Turkey");
$p2 = array
(
'china' => "Beijing",
'Russia' => "Moscow" ,
'Austria' => "Vienna",
'Turkey' => "Ankara"
);
```



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