

### Declaration

**explicit** <?php

```
$printer[0] = " Laserjet 2001 ";
$printer[1] = " LMP 172 4fa st ";
```

**implicit** <?php

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

### Associative Arrays

```
<?php
PRINTERS' => " Laserjet 2002",
'Ja ckson Printers' => " J20 01L ase rje t",
);
print_r($ printer);

//r esult
array (
    'R&B PRINTERS' => " Laserjet 2002",
    'Ja ckson 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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Page 1 of 2.

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