



Ajuntament
de Barcelona

Desenvolupament web amb PHP Arrays

IT Academy

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Arrays

“Un ***array***, es un tipus de dades estructurat que permet enmagatzemar un conjunt de dades homogeni, és a dir, on tots els son del mateix tipus i relacionats”



Arrays

Hi ha 3 maneres d'indexar(referir-nos) als diferents elements d'un *array*:

- **Numéricament indexat:** Si ens referim mitjançant un número(que començarà per 0).
- **Associativament indexat:** Si existeix un mapeig clau(paraula)-valor.
- **Multidimensional:** Si a cada índex, hi ha un altre *array*.



Arrays – Numèricament Indexats

```
$cars = array("Volvo", "BMW", "Toyota");
```

```
$cars[0] = "Volvo";  
$cars[1] = "BMW";  
$cars[2] = "Toyota";
```

```
<?php
```

```
$cars = array("Volvo", "BMW", "Toyota");
```

```
echo "I like " . $cars[0] . ", " . $cars[1] . " and " . $cars[2] . " .";
```

```
?>
```



Arrays - Associatius

```
$age = array("Peter"=>"35", "Ben"=>"37", "Joe"=>"43");
```

```
$age['Peter'] = "35";  
$age['Ben'] = "37";  
$age['Joe'] = "43";
```

```
<?php
```

```
$age = array("Peter"=>"35", "Ben"=>"37", "Joe"=>"43");  
echo "Peter is " . $age['Peter'] . " years old."  
?>
```



Arrays - Associatius

```
<?php
$age = array("Peter"=>"35", "Ben"=>"37", "Joe"=>"43");

foreach($age as $x => $x_value) {
    echo "Key=" . $x . ", Value=" . $x_value;
    echo "<br>";
}
?>
```



Arrays - Multidimensionals

Name	Stock	Sold
Volvo	22	18
BMW	15	13
Saab	5	2
Land Rover	17	15

```
$cars = array  
(  
    array("Volvo",22,18),  
    array("BMW",15,13),  
    array("Saab",5,2),  
    array("Land Rover",17,15)  
);
```



Arrays - Multidimensionals

```
<!DOCTYPE html>
<html>
<body>

<?php
$cars = array
(
    array("Volvo",22,18),
    array("BMW",15,13),
    array("Saab",5,2),
    array("Land Rover",17,15)
);
```

```
echo $cars[0][0].": In stock: ".$cars[0][1].", sold: ".$cars[0][2].".<br>";
echo $cars[1][0].": In stock: ".$cars[1][1].", sold: ".$cars[1][2].".<br>";
echo $cars[2][0].": In stock: ".$cars[2][1].", sold: ".$cars[2][2].".<br>";
echo $cars[3][0].": In stock: ".$cars[3][1].", sold: ".$cars[3][2].".<br>";
?>
```

```
</body>
</html>
```

Volvo: In stock: 22, sold: 18.
BMW: In stock: 15, sold: 13.
Saab: In stock: 5, sold: 2.
Land Rover: In stock: 17, sold: 15.



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