

Object Oriented PHP

Classes and Objects

```
class BaseClass {  
    protected $one;  
  
    // called automatically on instantiation  
    public function __construct($one) {  
        $this->one = $one;  
    }  
  
    public function printInfo() {  
        print $this->one;  
    }  
}  
  
$base = new BaseClass(2);
```

2

Inheritance

```
class SubClass extends BaseClass {  
    public $two;  
  
    // called automatically on instantiation  
    public function __construct($one, $two) {  
        parent::__construct($one);  
        $this->two = $two;  
    }  
  
    public function printInfoSub() {  
        print "$this->one and $this->two";  
    }  
}  
  
$sub = new SubClass(2,3);  
$sub->printInfo();  
$sub->printInfoSub();
```

```
1 <?php
2 include 'dog.php';
3
4 session_start();
5 header("Cache-Control: no-cache, must-revalidate"); // HTTP/1.1
6
7 if(isset($_REQUEST["name"])) {
8     $name = $_REQUEST["name"];
9     $color = $_REQUEST["color"];
10    $dog = new dog($name,$color);
11
12    if (isset($_SESSION["dogs"])==false)
13        $_SESSION["dogs"] = array();
14
15    $_SESSION["dogs"][] = $dog;
16
17    header("Location: index.php");
18 }
19
20 ?>
21
22 <!DOCTYPE html>
23
24 <html>
25     <head>
26         <style>
27             input {
28                 display: block;
29             }
30         </style>
31     </head>
32 <body>
33     <h1>New Dog</h1>
34     <form action="addDog.php">
35         Name <input type="text" name="name" />
36         Color <input type="text" name="color" />
37         <input type="submit" />
38     </form>
39 </body>
40
41 </html>
42
43
```

```

1 <?php
2 include 'smartdog.php';
3
4 session_start();
5 header("Cache-Control: no-cache, must-revalidate"); // HTTP/1.1
6
7 if(isset($_REQUEST["name"])) {
8     $name = $_REQUEST["name"];
9     $color = $_REQUEST["color"];
10    $trick = $_REQUEST["trick"];
11    $smartdog = new Smartdog($name,$color,$trick);
12
13    if (isset($_SESSION["dogs"])==false)
14        $_SESSION["dogs"] = array();
15
16    $_SESSION["dogs"][] = $smartdog;
17
18    header("Location: index.php");
19}
20
21 ?>
22
23 <!DOCTYPE html>
24
25 <html>
26     <head>
27         <style>
28             input {
29                 display: block;
30             }
31         </style>
32     </head>
33 <body>
34     <h1>New Smart Dog</h1>
35     <form action="addSmartdog.php">
36         Name <input type="text" name="name" />
37         Color <input type="text" name="color" />
38         Trick <input type="text" name="trick" />
39         <input type="submit" />
40     </form>
41 </body>
42
43 </html>
44
45

```

```
1 <?php
2 include 'dog.php';
3 include 'smartdog.php';
4
5 session_start();
6 header("Cache-Control: no-cache, must-revalidate"); // HTTP/1.1
7 ?>
8
9 <!DOCTYPE html>
10
11 <html>
12
13 <body>
14     <h1>List Dogs</h1>
15 <?php
16     if (isset($_SESSION["dogs"])) {
17         $dogs = $_SESSION["dogs"];
18         foreach ($dogs as $dog) {
19 ?>
20             <p>
21                 <?= $dog->printInfo(); ?>
22             </p>
23 <?php
24         }
25     }
26 ?>
27
28 </body>
29
30 </html>
31
32
```

```
1<!DOCTYPE html>
2
3<html>
4
5<body>
6    <h1>Dog Tracker</h1>
7    <a href="addDog.php">Add Dog</a>
8    <a href="addSmartdog.php">Add Smart Dog</a>
9    <a href="list.php">List</a>
10</body>
11
12</html>
13
14
```