

Code for *class.Person.php*

```

<?
class Person {
    var $firstname;
    var $lastname;
    var $age;

    function get_firstname(){
        return $this->firstname;
    }

    function get_lastname(){
        return $this->lastname;
    }

    function get_age(){
        return $this->age;
    }

    function set_firstname($new_name){
        $this->firstname=$new_name;
    }

    function set_lastname($new_name){
        $this->lastname=$new_name;
    }

    function set_age($new_age){
        $this->age=$new_age;
    }
};
?>

```

Code for *class.Person1.php*

```

class Person {
    var $firstname;
    var $lastname;
    var $age;

    function Person($newfirstname,
        $newlastname, $newage){
        $this->firstname=$newfirstname;
        $this->lastname=$newlastname;
        $this->age=$newage;
    }

    function get_firstname(){
        return $this->firstname;
    }

    function get_lastname(){
        return $this->lastname;
    }

    function get_age(){
        return $this->age;
    }

    function set_firstname($new_name){
        $this->firstname=$new_name;
    }

    function set_lastname($new_name){
        $this->lastname=$new_name;
    }

    function set_age($new_age){
        $this->age=$new_age;
    }
};
?>

```

Code demonstrating *class.Person.php*

```

<?
require('class.Person.php');
$myPerson = new Person();
$myPerson->set_firstname('Homer');
$myPerson->set_lastname('Simpson');
$myPerson->set_age(38);
?>

<html>
<head>
<title>Person Demo</title>
</head>
<body>
<h1>Person Demo</h1>
<p>My name is <? print $myPerson-
>get_firstname().' '.
$myPerson->get_lastname(); ?></p>
<p>I am <? print $myPerson->get_age(); ?></p>

</body>
</html>

```

Code for *uses.Person1.php*

```

<?
require('class.Person1.php');
$myPerson = new Person('Homer','Simpson',38);
?>

<html>
<head>
<title>Person Demo</title>
</head>
<body>
<h1>Person Demo</h1>
<p>My name is
<? print $myPerson->get_firstname().'
'. $myPerson->get_lastname(); ?></p>
<p>I am <? print $myPerson->get_age(); ?></p>

</body>
</html>

```

Code for *class.Employee.php*

```
<?php
require_once("class.Person1.php");

class Employee extends Person {
    var $salary;
    var $position;

    function Employee($newfirstname,
        $newlastname, $newage,
        $newsalary,$newposition ){
        $this->Person($newfirstname,
            $newlastname, $newage);
        $this->position=$newposition;
        $this->salary=$newsalary;
    }

    function get_salary(){
        return $this->salary;
    }

    function get_position(){
        return $this->position;
    }

    function set_salary($new_salary){
        $this->salary=$new_salary;
    }

    function set_position($new_position){
        $this->position=$new_position;
    }
};
?>
```

Code for *class.Person2.php*

```
class Person {
    var $firstname;
    var $lastname;
    var $age;

    function Person($newfirstname,
        $newlastname, $newage){
        $this->firstname=$newfirstname;
        $this->lastname=$newlastname;
        $this->age=$newage;
    }

    function get_firstname(){
        return $this->firstname;
    }

    function get_lastname(){
        return $this->lastname;
    }

    function get_age(){
        return $this->age;
    }

    function set_firstname($new_name){
        $this->firstname=$new_name;
    }

    function set_lastname($new_name){
        $this->lastname=$new_name;
    }

    function set_age($new_age){
        $this->age=$new_age;
    }

    function happy_birthday(){
        $this->age++;
        return ("Age is now: ".$this->age);
    }
};
```

Code for *uses.Employee.php*

```
<?
require_once('class.Employee.php');
$myEmployee = new Employee("Homer", "Simpson", 42, "42000", "Safety Manager");
?>

<html>
<head>
<title>Employee Demo</title>
</head>
<body>
<h1>Employee Demo</h1>
<p>My name is
<? print $myEmployee->get_firstname().'
'. $myEmployee->get_lastname(); ?>
</p>
<p>I am
<? print $myEmployee->get_age(); ?>
</p>
<p>I earn <? print $myEmployee->get_salary();
?> in my job as
<? print $myEmployee->get_position(); ?></p>

</body>
</html>
```

Code for *uses.Person2.php*

```
<?
require('class.Person2.php');
$myPerson = new Person('Homer', 'Simpson', 38);
?>

<html>
<head>
<title>Person Demo</title>
</head>
<body>
<h1>Person Demo</h1>
<p>My name is <? print $myPerson->get_firstname().' '. $myPerson->get_lastname();
?></p>
<p>I am <? print $myPerson->get_age(); ?></p>
<p>Happy birthday to me!
<? print $myPerson->happy_birthday(); ?></p>

</body>
</html>
```

Code for *class.Employee2.php*

```
require_once("class.Person2.php");

class Employee extends Person {
    var $salary;
    var $position;

    function Employee($newfirstname,
        $newlastname, $newage,
        $newsalary,$newposition ){
        $this->Person($newfirstname,
            $newlastname, $newage);
        $this->position=$newposition;
        $this->salary=$newsalary;
    }

    function get_salary(){
        return $this->salary;
    }

    function get_position(){
        return $this->position;
    }

    function set_salary($new_salary){
        $this->salary=$new_salary;
    }

    function set_position($new_position){
        $this->position=$new_position;
    }

    function happy_birthday(){
        return ("Employees have to buy cake: -
            Age is now ".$this->age);
    }
};
```

Code for *class.Employee3.php*

```
require_once("class.Person2.php");

class Employee extends Person {
    var $salary;
    var $position;

    function Employee($newfirstname,
        $newlastname, $newage,
        $newsalary,$newposition ){
        $this->Person($newfirstname,
            $newlastname, $newage);
        $this->position=$newposition;
        $this->salary=$newsalary;
    }

    function get_salary(){
        return $this->salary;
    }

    function get_position(){
        return $this->position;
    }

    function set_salary($new_salary){
        $this->salary=$new_salary;
    }

    function set_position($new_position){
        $this->position=$new_position;
    }

    function happy_birthday(){
        parent::happy_birthday();
        return ("Employees have to buy cake: -
            Age is now ".$this->age);
    }
};
```

Code for *uses.Employee2.php*

```
<?
require_once('class.Employee2.php');
$myEmployee = new Employee("Homer","Simpson",
    42,"42000","Safety Manager");
?>

<html>
<head>
<title>Employee Demo</title>
</head>
<body>
<h1>Employee Demo</h1>
<p>My name is <? print $myEmployee-
>get_firstname().' '.
$myEmployee->get_lastname(); ?></p>
<p>I am <? print $myEmployee->get_age(); ?>
</p>

<p>I earn
<? print $myEmployee->get_salary(); ?>
in my job as
<? print $myEmployee->get_position(); ?>
</p>
<p>Happy birthday to me!
<? print $myEmployee->happy_birthday(); ?>
</p>
</body>
</html>
```

Code for *uses.Employee3.php*

```
<?
require_once('class.Employee3.php');
$myEmployee = new Employee("Homer","Simpson",
    42,"42000","Safety Manager");
?>

<html>
<head>
<title>Employee Demo</title>
</head>
<body>
<h1>Employee Demo</h1>
<p>My name is <? print $myEmployee-
>get_firstname().' '.
$myEmployee->get_lastname(); ?></p>
<p>I am <? print $myEmployee->get_age(); ?></p>
<p>I earn
<? print $myEmployee->get_salary(); ?> in my
job as
<? print $myEmployee->get_position(); ?></p>
<p>Happy birthday to me!
<? print $myEmployee->happy_birthday(); ?></p>
</body>
</html>
```