

class_constructor.php X

Inheritance_klironomikotita.php

interface.php

C: > xampp > htdocs > POL_KL > class_constructor.php > ...

```
1  <?php
2  // Γενική κλάση
3
4  1 reference | 0 implementations
   class Car {
5      3 references
       public $color;
6      3 references
       public $brand;
7
8      // Constructor για αυτόματη αρχικοποίηση
       1 reference | 0 overrides
       public function __construct($color, $brand) {
9          $this->color = $color;
10         $this->brand = $brand;
11     }
12
13     1 reference | 0 overrides
       public function drive(): void {
14         echo "Driving a {$this->color} {$this->brand}.";
15     }
16
17     // Μέθοδος που επιστρέφει τιμή (string)
       1 reference | 0 overrides
       public function getDescription(): string {
18         return "This is a {$this->color} {$this->brand}.";
19     }
20
21 }
22
23
24 $myCar = new Car(color: "Blue", brand: "Honda");
25 echo $myCar->getDescription(); // → This is a Blue Honda.
26 $myCar->drive();               // → Driving a Blue Honda.
27
28 ?>
```

class_constructor.php

Inheritance_klironomikotita.php •

interface.php

C: > xampp > htdocs > POL_KL > Inheritance_klironomikotita.php > ElectricCar

```
1  <?php
2  // Βασική κλάση Car
3  references | 1 implementation
3  class Car {
4      6 references
4      public $color;
5      6 references
5      public $brand;
6      2 references | 1 override
6      public function __construct($color, $brand) {
7          $this->color = $color;
8          $this->brand = $brand;
9      }
10     2 references | 1 override
10     public function getDescription(): string {
11         return "This is a {$this->color} {$this->brand}.";
12     }
13 }
14 // Υποκλάση ElectricCar
15 1 reference | 0 implementations
15 class ElectricCar extends Car {
16     2 references
16     public $batteryRange;
17     2 references | 0 overrides | prototype
17     public function __construct($color, $brand, $batteryRange) {
18         parent::__construct($color, $brand);
19         $this->batteryRange = $batteryRange;
20     }
21
22     2 references | 0 overrides | prototype
22     public function getDescription(): string {
23         return "This is a {$this->color} {$this->brand} with {$this->batteryRange} km range.";
24     }
25 }
26
27 // Δημιουργία αντικειμένου ElectricCar
28 $tesla = new ElectricCar($color: "White", $brand: "Tesla", $batteryRange: 450);
29 echo $tesla->getDescription(); // → This is a White Tesla with 450 km range.
30 ?>
31
```

C: > xampp > htdocs > POL_KL > interface.php > ...

```
1  <?php
2  // Γενική κλάση
   1 reference | 2 implementations
3  interface Vehicle {
   2 references | 2 overrides
4  |   public function drive(): void;
   3 references | 4 overrides
5  |   public function getDescription(): string;
6  | }
7  // Κάνουμε την Car να υλοποιεί το interface
   4 references | 1 implementation
8  class Car implements Vehicle {
   9 references
9  |   public $color;
   9 references
10 |   public $brand;
   3 references | 1 override
11 |   public function __construct($color, $brand) {
12 |       $this->color = $color;
13 |       $this->brand = $brand;
14 |   }
   2 references | 0 overrides
15 |   public function drive(): void {
16 |       echo "Driving a {$this->color} {$this->brand}.<br>";
17 |   }
   3 references | 1 override
18 |   public function getDescription(): string {
19 |       return "This is a {$this->color} {$this->brand}.";
20 |   }
21 | }
22 // Δημιουργία αντικειμένου και χρήση του
23 $myCar = new Car(color: "red", brand: "Toyota");
24 $myCar->drive();
25 echo $myCar->getDescription();
26 ?>
27
```