

```

<!DOCTYPE html>
<html>
<body>

<?php
class Fruit {
    // Properties
    var $name;
    var $color;
    // Methods
    function __construct($name, $color) {
        $this->name = $name;
        $this->color = $color;
    }
    function __destruct() {
        echo "The fruit is and the color is .";
    }
}

$apple = new Fruit("Apple", "red");
?>

</body>
</html>

```

```

// Properties
public $name;
public $color;

// Methods
public function intro(){
    $nowName = $this->name ;
    $nowColor = $this->color;
    $introText = "Hello I'm $nowName - color $nowColor";
    echo "$introText <br>";
    // return $introText;
}

```

Access Modifiers private

- **public** - the property or method can be accessed from everywhere. This is default
- **protected** - the property or method can be accessed within the class and by classes derived from that class
- **private** - the property or method can ONLY be accessed within the class

Inheritance extends

```
<?php
class Fruit {
    public $name;
    public $color;
    public function __construct($name, $color) {
        $this->name = $name;
        $this->color = $color;
    }
    public function intro() {
        echo "The fruit is {$this->name} and the color is {$this->color}.";
    }
}

// Strawberry is inherited from Fruit
class Strawberry extends Fruit {
    public function message() {
        echo "Am I a fruit or a berry? ";
    }
}

$strawberry = new Strawberry("Strawberry", "red");
$strawberry->message();
$strawberry->intro();
?>
```

Abstract Classes no 實作

```
<?php
// Parent class
abstract class Car {
    public $name;
    public function __construct($name) {
        $this->name = $name;
    }
    abstract public function intro() : string;
}

// Child classes
class Audi extends Car {
    public function intro() : string {
        return "Choose German quality! I'm an $this->name!";
    }
}
```