



# PHP OOP - Static Properties

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## PHP - Static Properties

Static properties can be called directly - without creating an instance of a class.

Static properties are declared with the `static` keyword:

### Syntax

```
<?php
class ClassName {
    public static $staticProp = "W3Schools";
}
?>
```

To access a static property use the class name, double colon (::), and the property name:

### Syntax

```
ClassName::$staticProp;
```

Let's look at an example:

## Example

```
<?php
class pi {
    public static $value = 3.14159;
}

// Get static property
echo pi::$value;
?>
```

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## Example Explained

Here, we declare a static property: `$value`. Then, we echo the value of the static property by using the class name, double colon (`::`), and the property name (without creating a class first).

## PHP - More on Static Properties

A class can have both static and non-static properties. A static property can be accessed from a method in the same class using the `self` keyword and double colon (`::`):

## Example

```
<?php
class pi {
    public static $value=3.14159;
    public function staticValue() {
        return self::$value;
    }
}

$pi = new pi();
```

```
echo $pi->staticValue();  
?>
```

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To call a static property from a child class, use the `parent` keyword inside the child class:

## Example

```
<?php  
class pi {  
    public static $value=3.14159;  
}  
  
class x extends pi {  
    public function xStatic() {  
        return parent::$value;  
    }  
}  
  
// Get value of static property directly via child class  
echo x::$value;  
  
// or get value of static property via xStatic() method  
$x = new x();  
echo $x->xStatic();  
?>
```

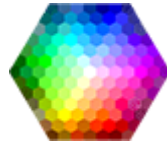
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