

PHP OOPs - The final Keyword

Topics : [PHP](#)

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The final Keyword is used for below purposes.

- The final keyword can be used to prevent class inheritance. Final class can not be inherited by another class.
- The final keyword can be used to prevent method overriding. Final Method of parent class can not be overridden by method of child class.

PHP Syntax:

```
final class class_name
```

```
final function function_name
```

PHP Example :

Look at below example. Child Cricket class can not extend Game class because Game class is final which prevent class inheritance.

```
<?php  
//code by aryatechno!
```

```
final class Game {  
    public function details() {  
        // code to be executed.  
    }  
}
```

```
class Cricket extends Game {  
    // Generates PHP Fatal error: Class Crircket may not inherit from final class (Game)  
    public function details() {  
        // code to be executed.  
    }  
}
```

Output:

PHP Fatal error: Class Cricket may not inherit from final class (Game) in c:\xampp\htdocs\page.php on line 15

PHP Example 2 :

Look at below example. Final method register of Jobs class can not be overridden by method register of Candidate class. Because final keyword prevents it from overridden.

```
<?php
//code by aryatechno!

class Jobs{
    final public function register() {
        // code to be executed.
    }
}

class Candidate extends Jobs{

    public function register() {
        // Generates PHP Fatal error: Cannot override final method Jobs::register()
        // code to be executed.
    }
}
?>
```

Output:

PHP Fatal error: Cannot override final method Jobs::register() in c:\xampp\htdocs\page.php on line 12

Output :

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