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 overriden 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
<?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 overriden by method register of Candidate class. Because final keyword prevents it from overriden.

```php
<?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 :