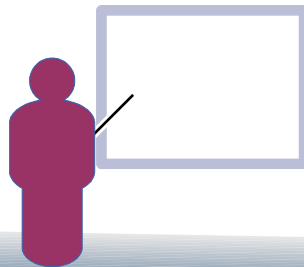


SPL Autoload

생활코딩 PHP - 5 월

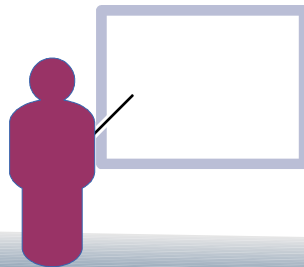
박민권 (A2)



보통의 클래스 파일 첨부

```
<?php  
include 'file/path/MyClass.php';
```

```
$mc = new MyClass();  
?>
```



흔하게 발생하는 **include** 중복 문제

```
<?php
/* ClassA.php */

include 'Util.php';

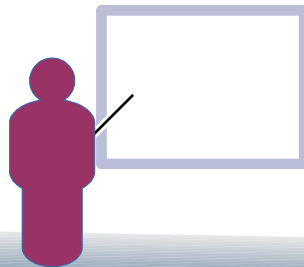
class ClassA {
    // use Util class
}
```

```
<?php
/* ClassB.php */

include 'Util.php';

class ClassB {
    // use Util class
}
```

```
<?php
include 'ClassA.php';
include 'ClassB.php'; // Util.php 중복 오류 !
?>
```



보통의 include 중복 해결방법

```
<?php
/* ClassA.php */

include_once 'Util.php';

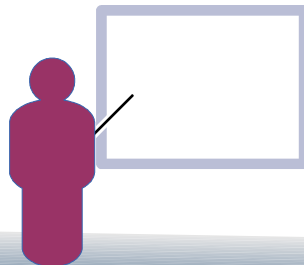
class ClassA {
    // use Util class
}
```

```
<?php
/* ClassB.php */

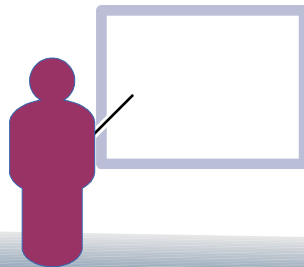
include_once 'Util.php';

class ClassB {
    // use Util class
}
```

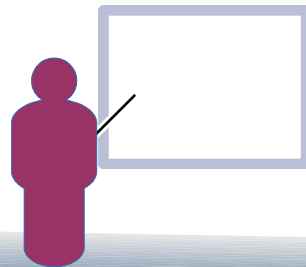
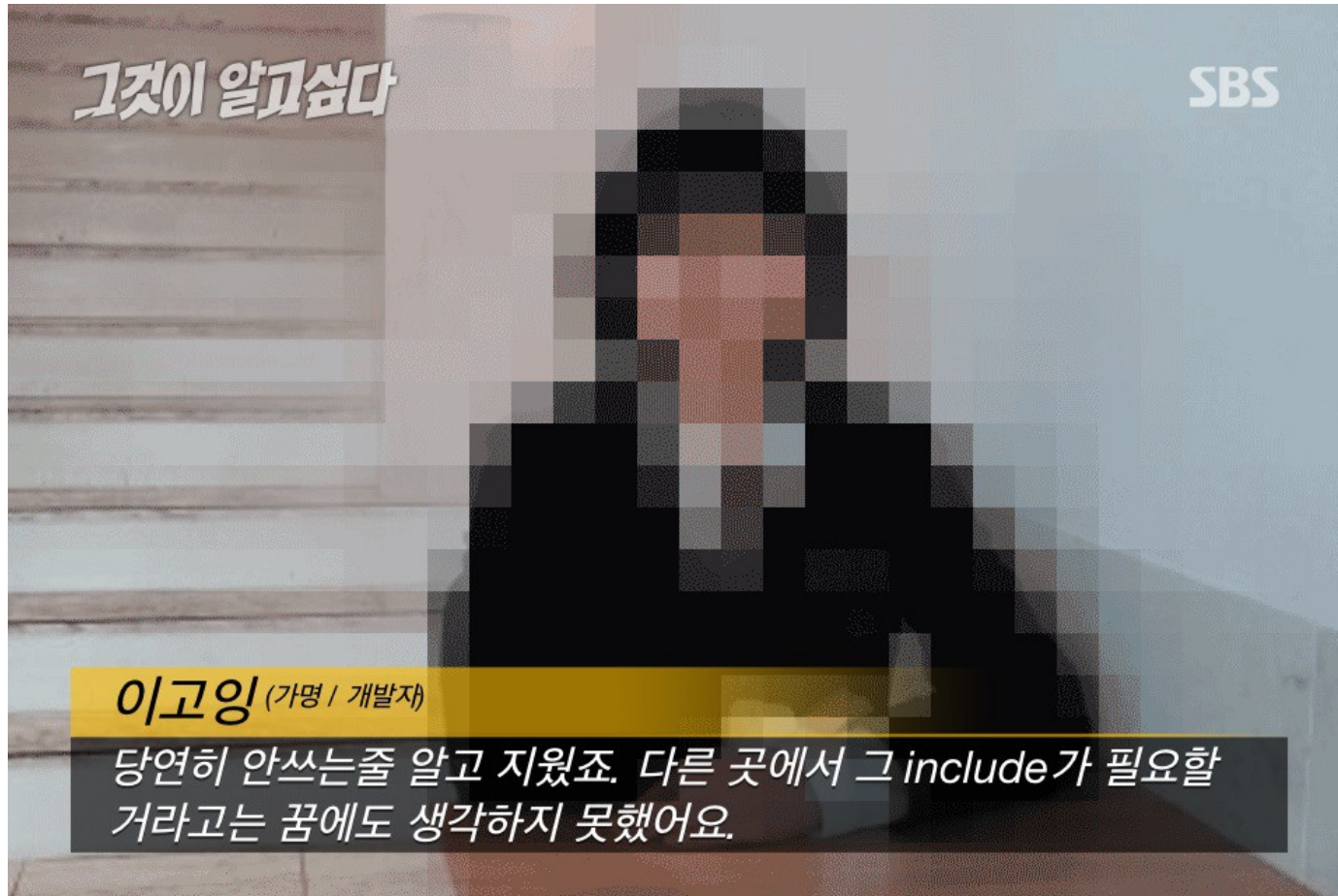
```
<?php
include 'ClassA.php';
include 'ClassB.php';
?>
```



골치아픈 include

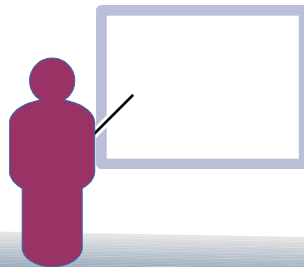


골치아픈 include



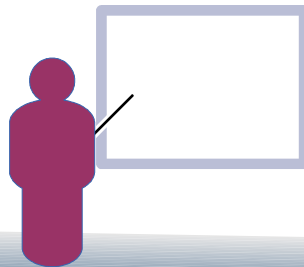
Standard PHP Library - autoload

클래스 (또는 함수) 가 호출될때 include 를 선택할 수 있는 방법을 제공



autoload 관련 함수들

- spl_autoload_call
- spl_autoload_extensions
- spl_autoload_functions
- **spl_autoload_register**
- spl_autoload_unregister
- spl_autoload



spl_autoload_register

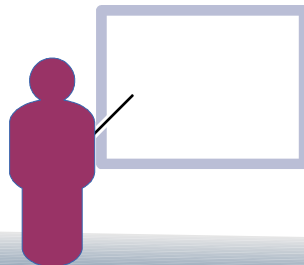
선언되지 않은 클래스 (또는 함수) 호출시 실행될 함수 등록

```
function my_autoloader($class_name) {  
    include "file/path/{$class_name}.php";  
}  
spl_autoload_register('my_autoloader');
```

```
// PHP 5.3.0 이상 익명함수 방식  
spl_autoload_register(function ($class_name) {  
    include "file/path/{$class_name}.php";  
});
```

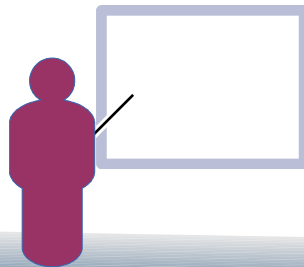
```
// include "file/path/MyClass.php";
```

```
$my = new MyClass();
```



`spl_autoload_register` 방식은 큰 장점

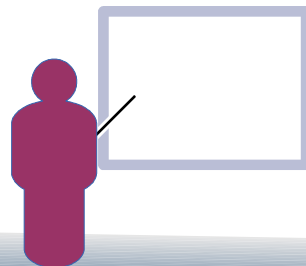
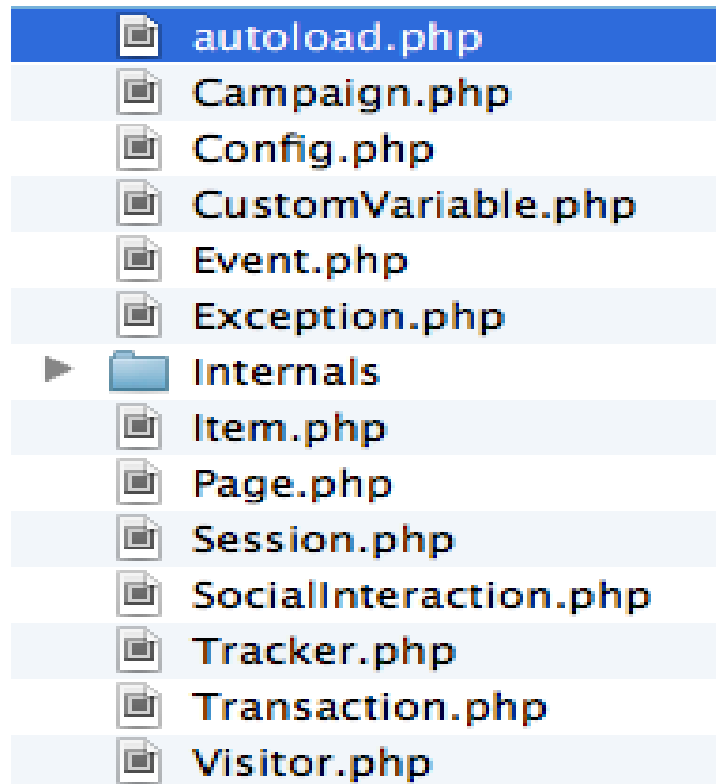
- 클래스의 `path` 를 환경변수 파일에 선언하는 방식의 언어도 존재함 .
- 환경변수 파일이 아닌 코드로 구현하는 방식은 다양한 응용이 가능 .



autoload 가 포함된 라이브러리 소개 . php-ga

Server-Side Google Analytics PHP Client

<http://code.google.com/p/php-ga/>



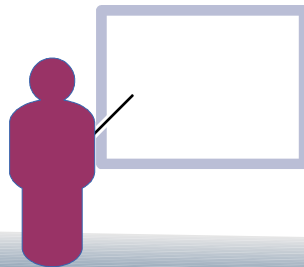
php-ga 에 포함된 autoload.php

```
<?php
spl_autoload_register(function($className) {
    if($className[0] == '\\') {
        $className = substr($className, 1);
    }

    // Leave if class should not be handled by this autoloader
    if(strpos($className, 'UnitedPrototype\\GoogleAnalytics') !== 0) return;

    $classPath = strtr(substr($className,
        strlen('UnitedPrototype\\GoogleAnalytics')), '\\', '/') . '.php';

    require(__DIR__ . $classPath);
});
?>
```





감사합니다 .

