

# Learn Teach Code: Let's Study PHP

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# Install PHP

## Windows

Go to [php.net](http://php.net) and download free. Before check your system 32-bit / 64-bit

## Mac

Apple Mac OS preinstalled PHP 5.6 version. Or bitnami mapm package install for Mac

## Linux

If you install Linux server, maybe auto-install Apache + PHP + MySQL.

# PHP Version check

PHP가 정상적 설치후에 동작을 확인해 봅니다.

#] php -v



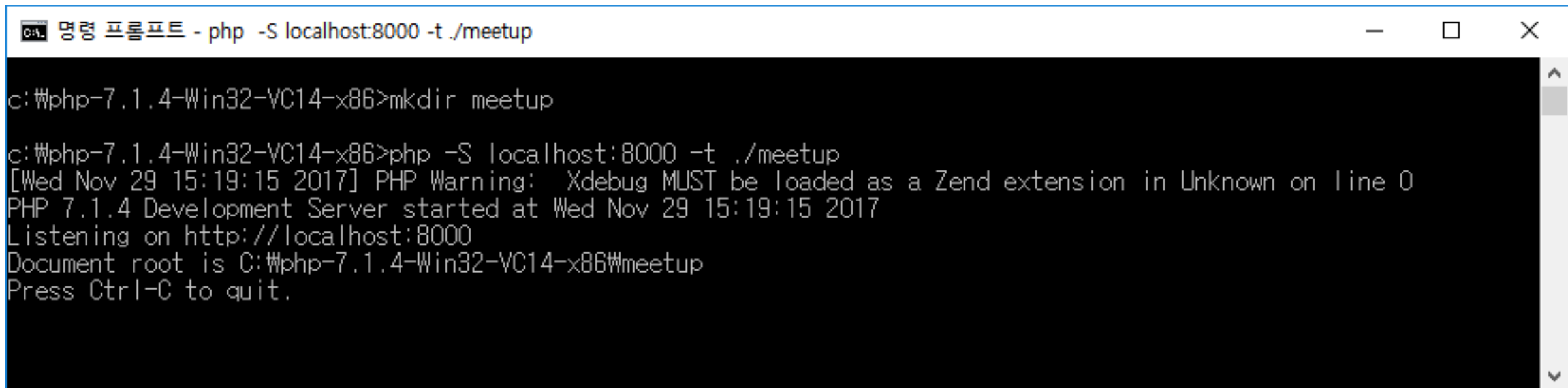
```
C:\w\php-7.1.4-Win32-VC14-x86>php -v
PHP Warning:  Xdebug MUST be loaded as a Zend extension in Unknown on line 0
PHP 7.1.4 (cli) (built: Apr 11 2017 20:08:12) ( ZTS MSVC14 (Visual C++ 2015) x86 )
Copyright (c) 1997-2017 The PHP Group
Zend Engine v3.1.0, Copyright (c) 1998-2017 Zend Technologies

C:\w\php-7.1.4-Win32-VC14-x86>
```

# PHP Internal Server

예제 소스를 저장할 폴더를 하나 생성을 합니다. *mkdir meetup*

#] `php -S localhost:8000 -t ./meetup`



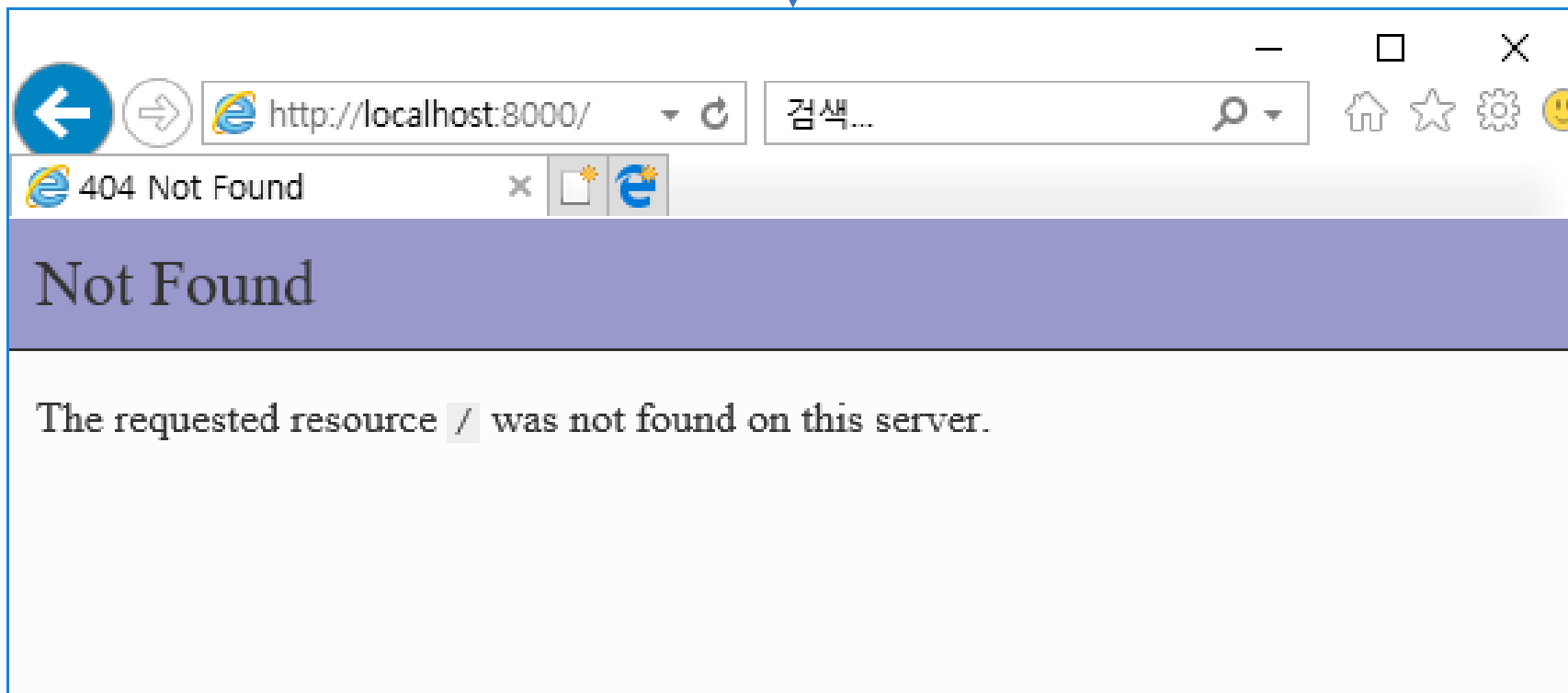
```
C:\> 명령 프롬프트 - php -S localhost:8000 -t ./meetup

c:\w\php-7.1.4-Win32-VC14-x86>mkdir meetup

c:\w\php-7.1.4-Win32-VC14-x86>php -S localhost:8000 -t ./meetup
[Wed Nov 29 15:19:15 2017] PHP Warning:  Xdebug MUST be loaded as a Zend extension in Unknown on line 0
PHP 7.1.4 Development Server started at Wed Nov 29 15:19:15 2017
Listening on http://localhost:8000
Document root is C:\w\php-7.1.4-Win32-VC14-x86\meetup
Press Ctrl-C to quit.
```

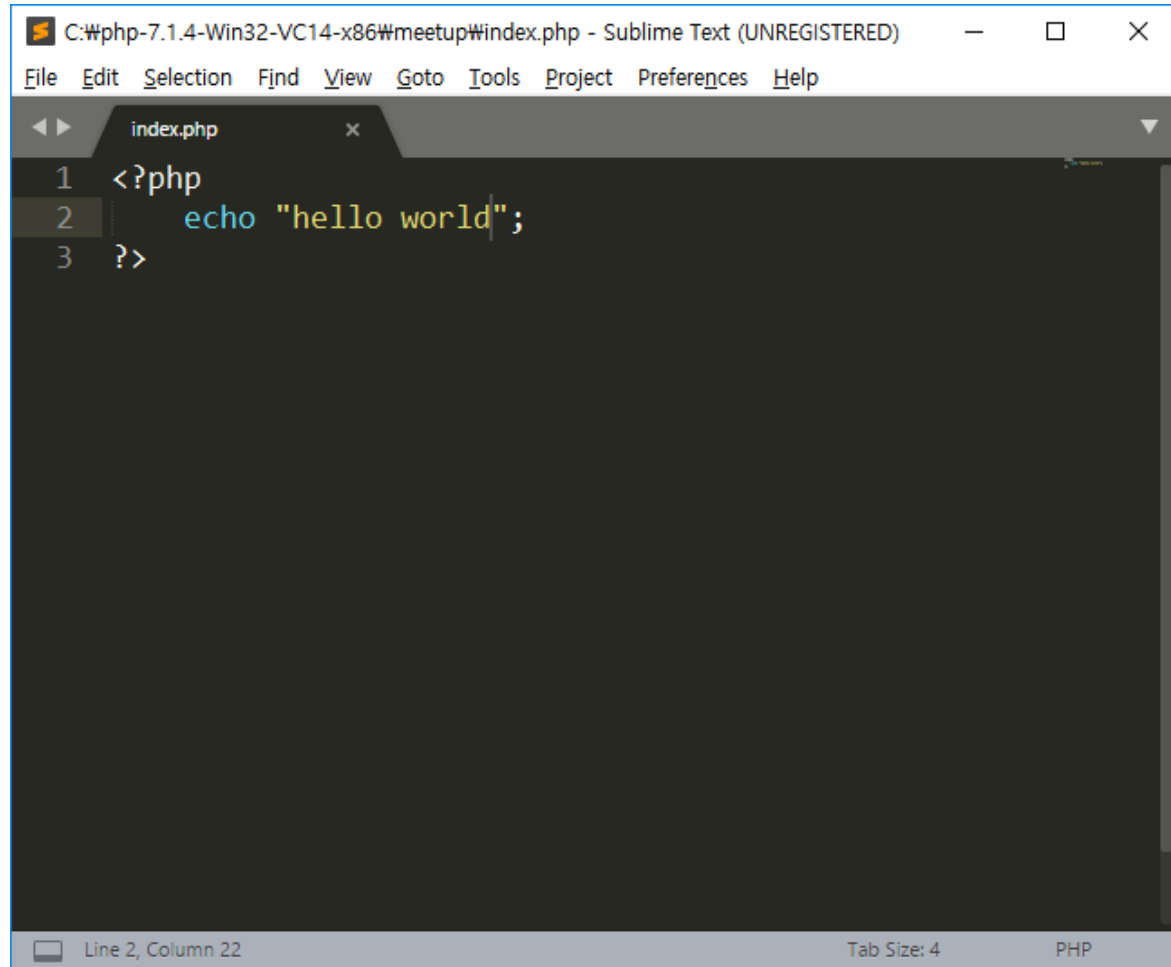
# Browser Check

**http://localhost:8000/**



# Hello World

Typing below and save file to **"index.php"**

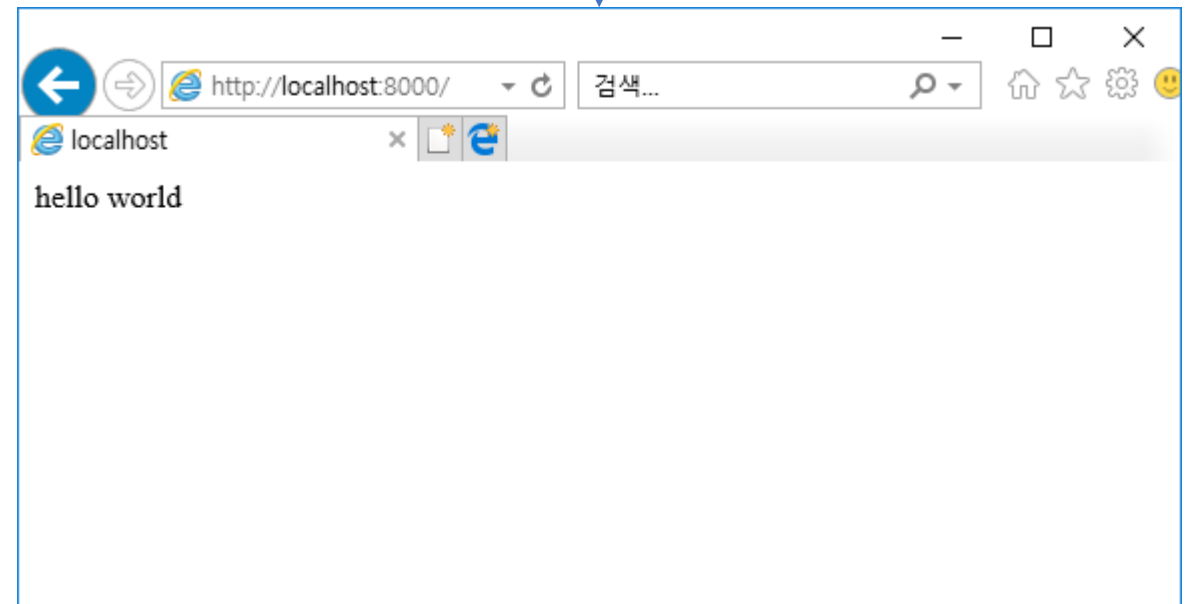


A screenshot of the Sublime Text editor window. The title bar shows the file path: C:\php-7.1.4-Win32-VC14-x86\meetup\index.php - Sublime Text (UNREGISTERED). The menu bar includes File, Edit, Selection, Find, View, Goto, Tools, Project, Preferences, and Help. The editor has a tab for index.php. The code is as follows:

```
1 <?php
2     echo "hello world";
3 ?>
```

The status bar at the bottom indicates "Line 2, Column 22", "Tab Size: 4", and "PHP".

Reload



# PHP Start Code

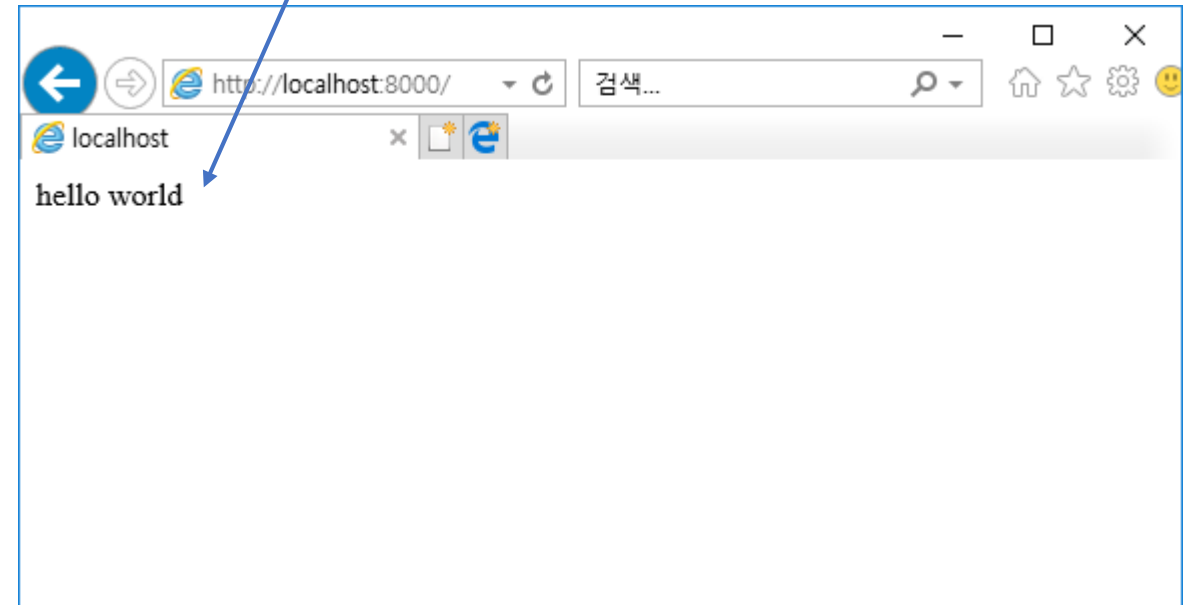
PHP Declare

<?php

echo "hello world";

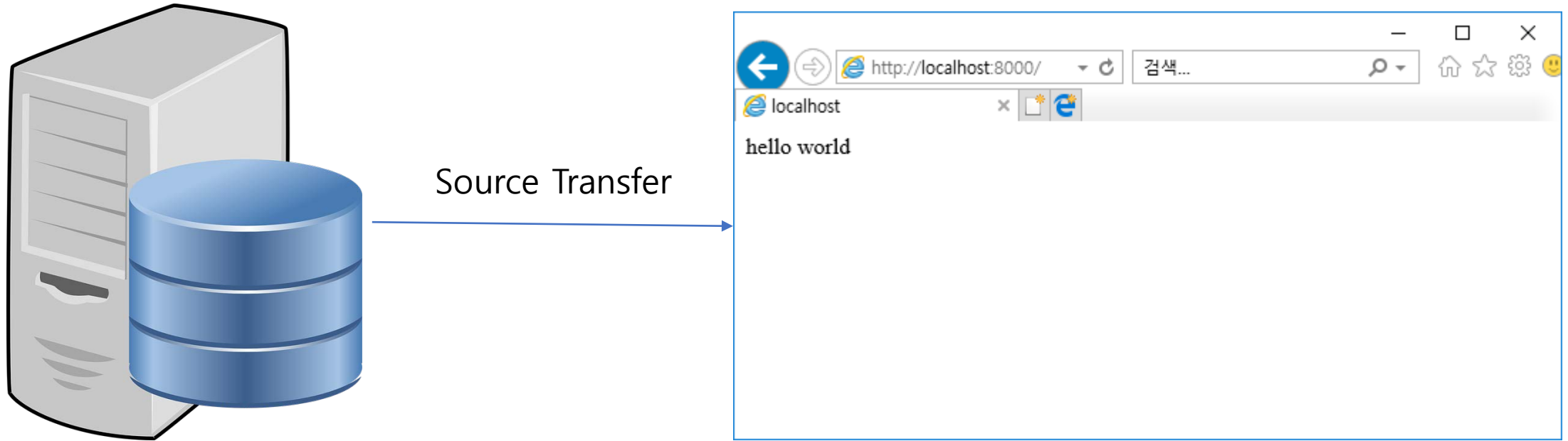
?>

echo "hello world";





# Javascript Client Side Script Language

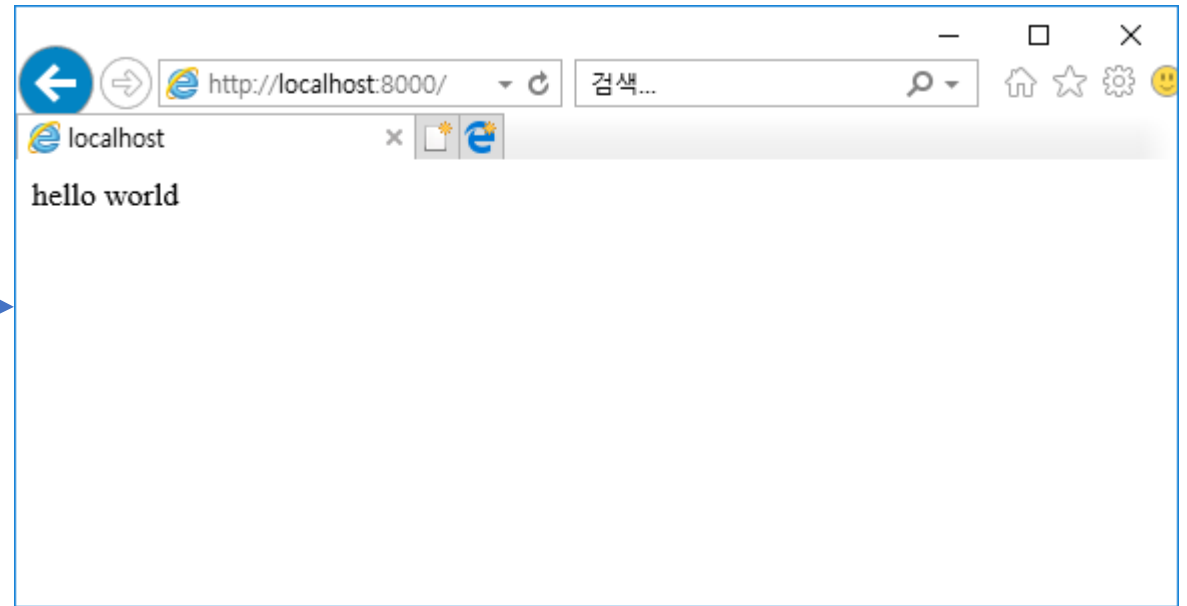


PC : Program action

# PHP Server Side Script Language



Result




Program action

# Variable

\$ Name =

Typing below and save file to "index2.php"



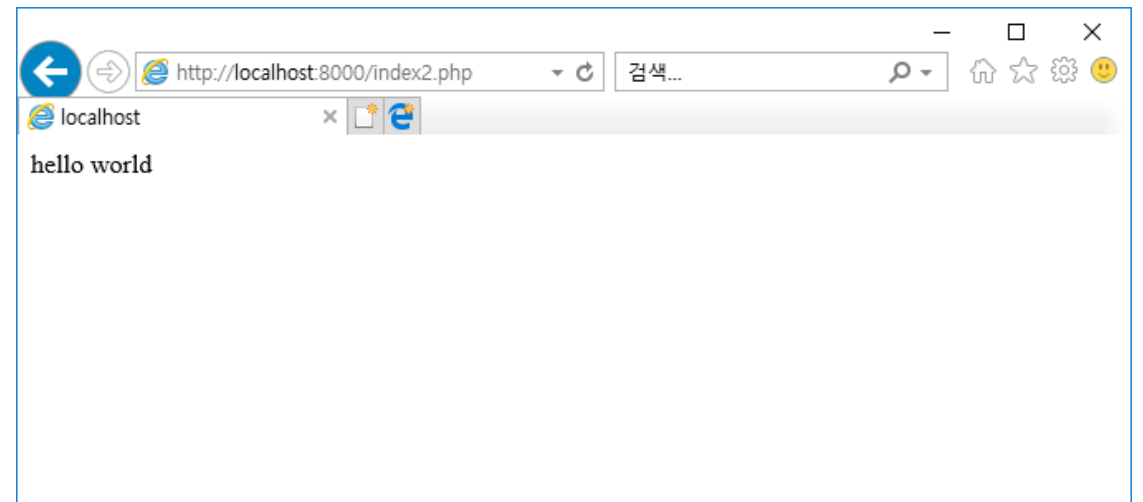
```
1 <?php
2     $hello = "hello world";
3     echo $hello;
4 ?>
```

The screenshot shows a Sublime Text editor window with the title bar "C:\php-7.1.4-Win32-VC14-x86\meetup\index2.php - Sublime Text (U...)". The menu bar includes File, Edit, Selection, Find, View, Goto, Tools, Project, Preferences, and Help. The editor has two tabs: index.php and index2.php. The code in index2.php is as follows:

```
1 <?php
2     $hello = "hello world";
3     echo $hello;
4 ?>
```

The status bar at the bottom indicates "Line 3, Column 16", "Tab Size: 4", and "PHP".

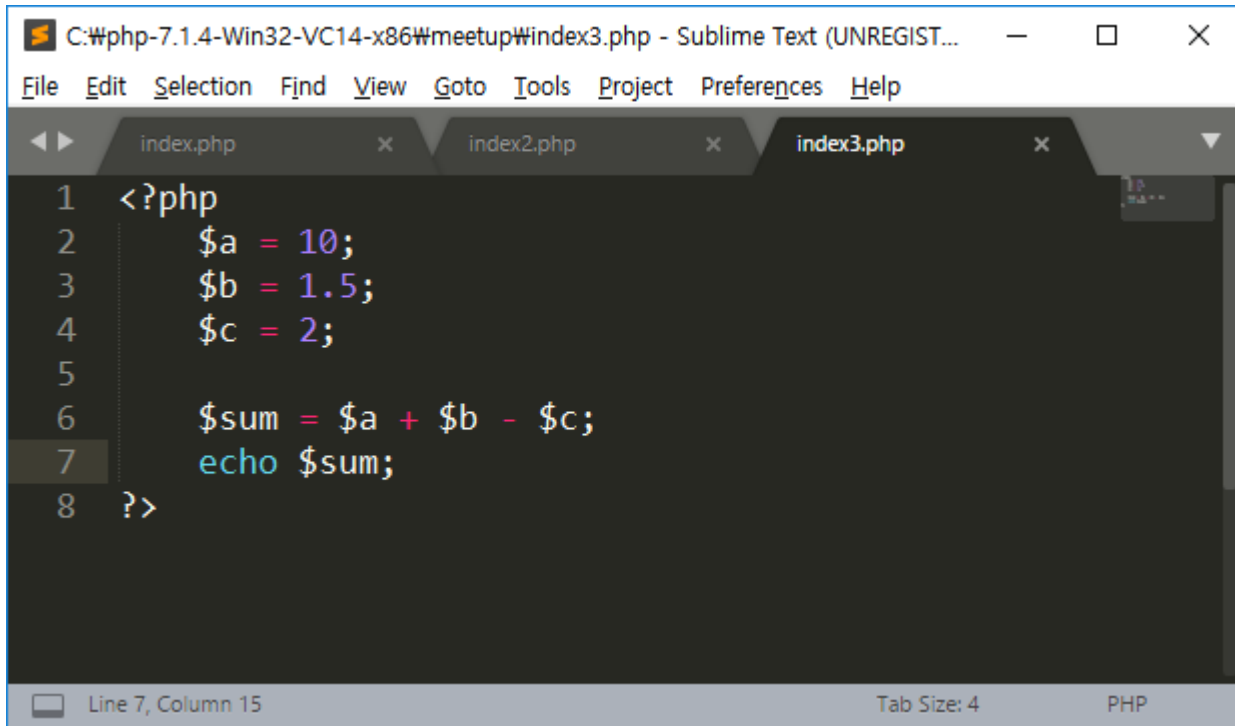
<http://localhost:8000/index2.php>



# Operation

+ - / \*

Typing below and save file to "index3.php"

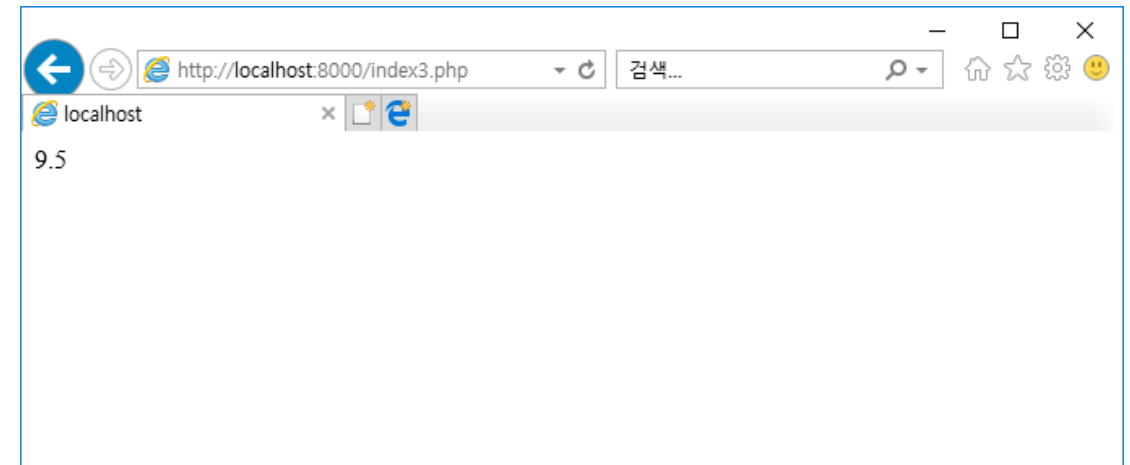


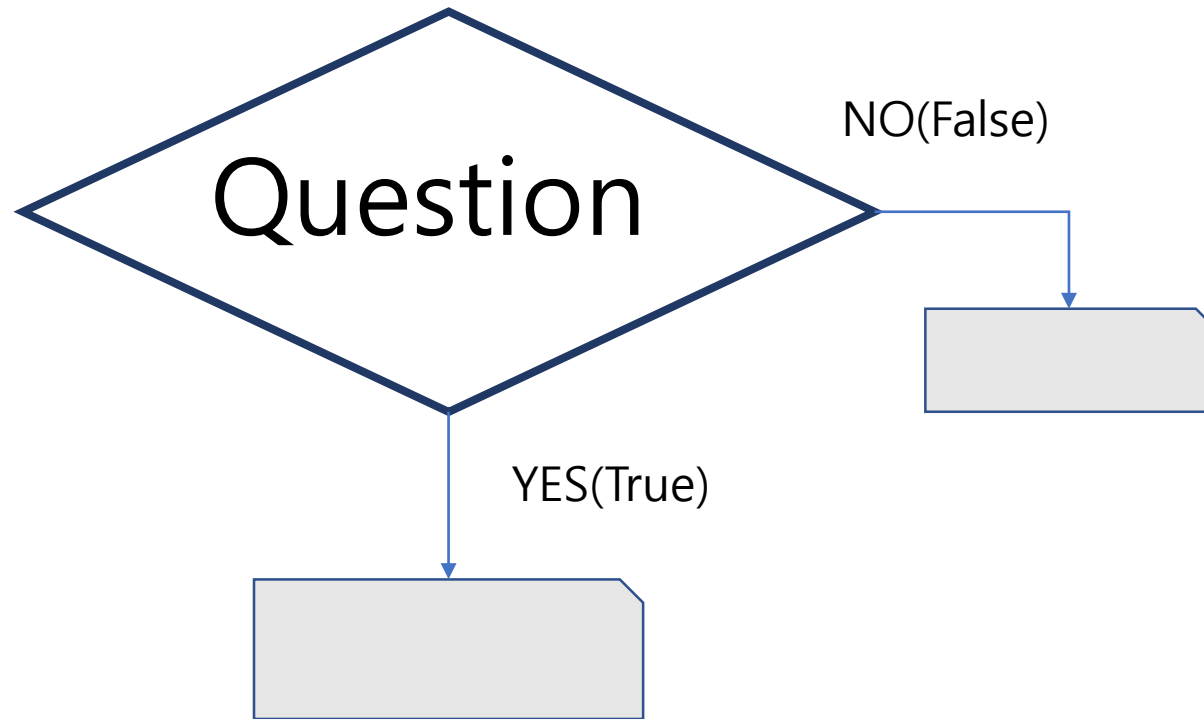
The screenshot shows the Sublime Text editor with a file named 'index3.php' open. The code is as follows:

```
1 <?php
2     $a = 10;
3     $b = 1.5;
4     $c = 2;
5
6     $sum = $a + $b - $c;
7     echo $sum;
8 ?>
```

The status bar at the bottom indicates 'Line 7, Column 15', 'Tab Size: 4', and 'PHP'.

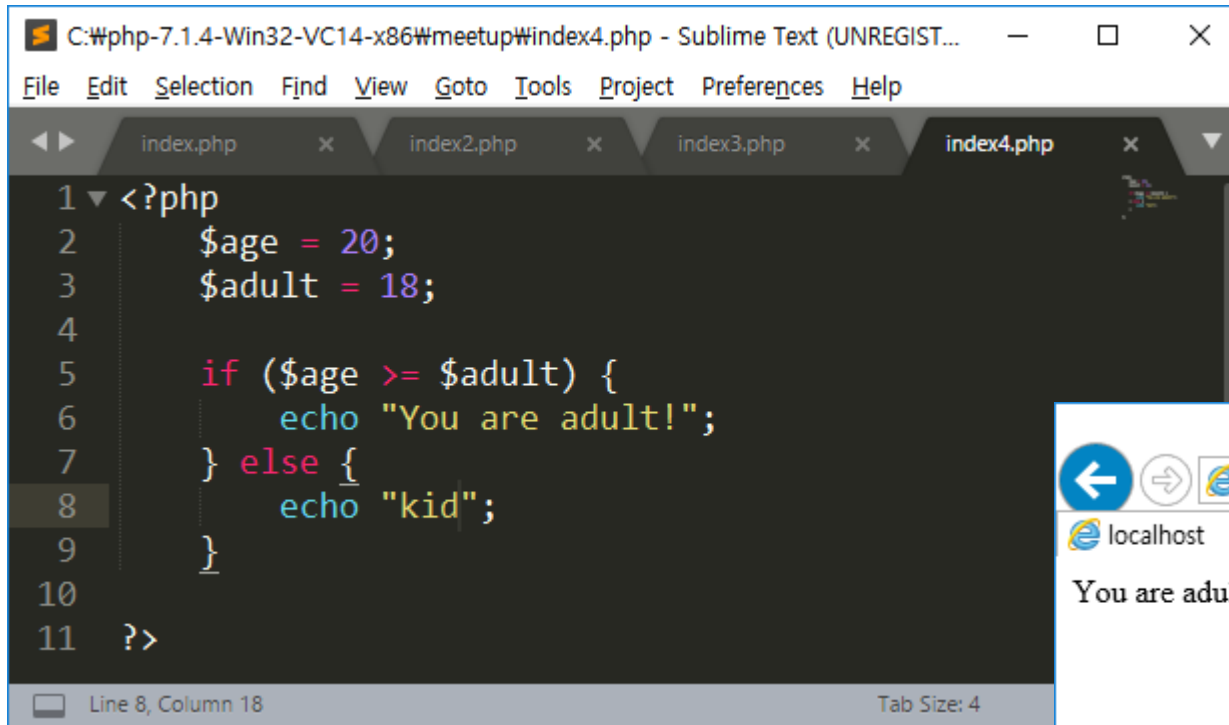
<http://localhost:8000/index3.php>





```
if ( condition ) {  
    True Condition  
}  
else {  
    False Condition  
}
```

Typing below and save file to "index4.php"

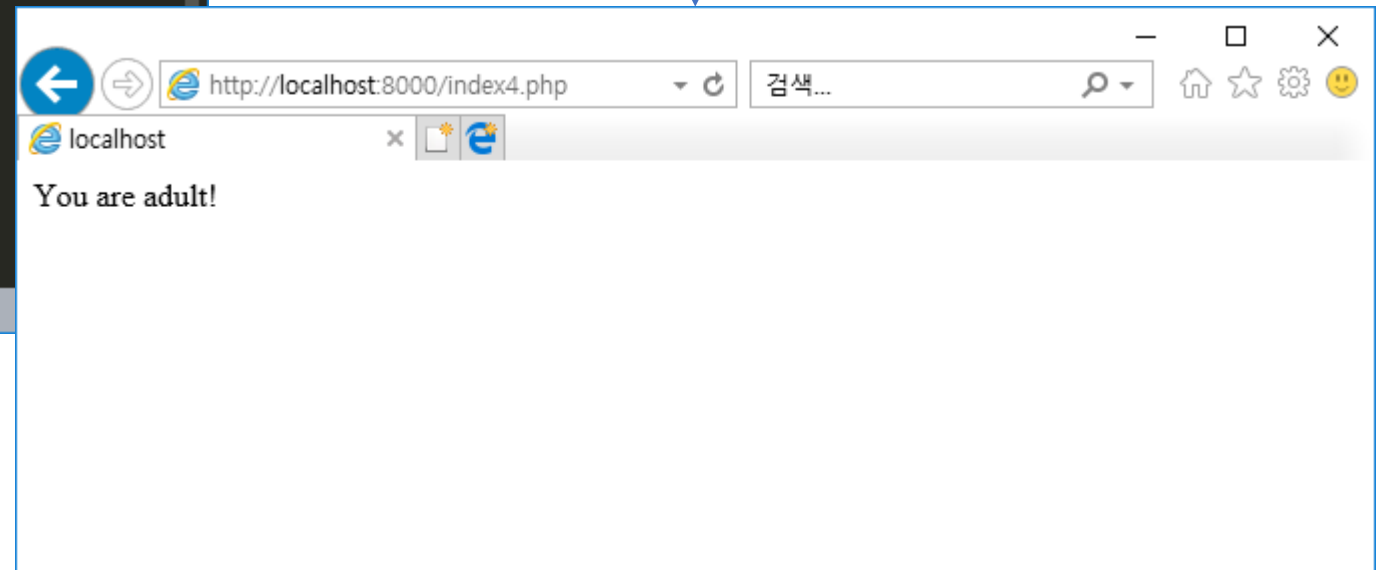


The screenshot shows the Sublime Text editor with the file "index4.php" open. The code is as follows:

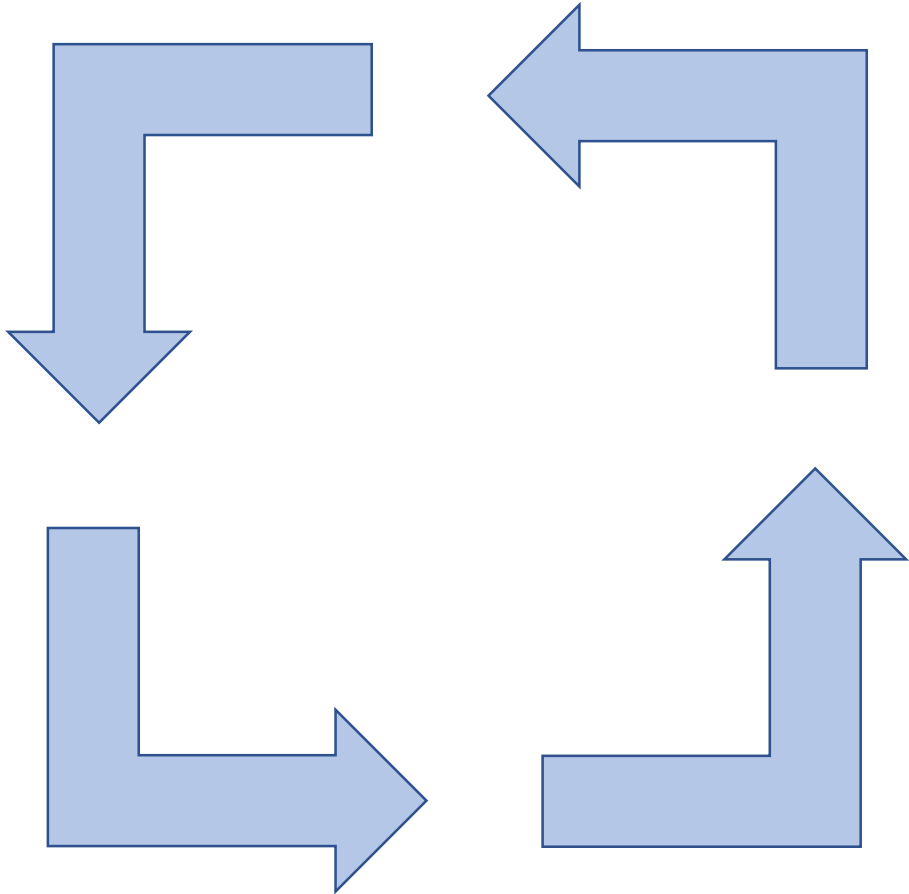
```
1 <?php
2     $age = 20;
3     $adult = 18;
4
5     if ($age >= $adult) {
6         echo "You are adult!";
7     } else {
8         echo "kid";
9     }
10
11 ?>
```

The status bar at the bottom indicates "Line 8, Column 18" and "Tab Size: 4".

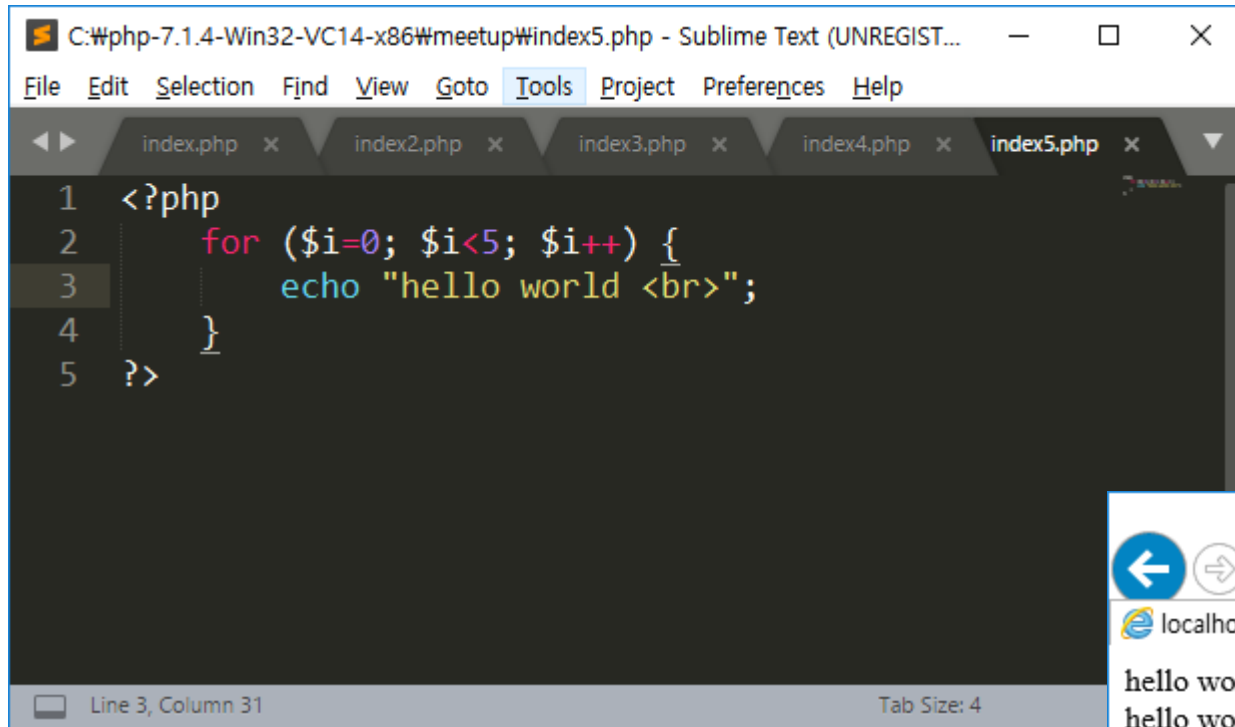
<http://localhost:8000/index4.php>



# For loop



Typing below and save file to "index5.php"

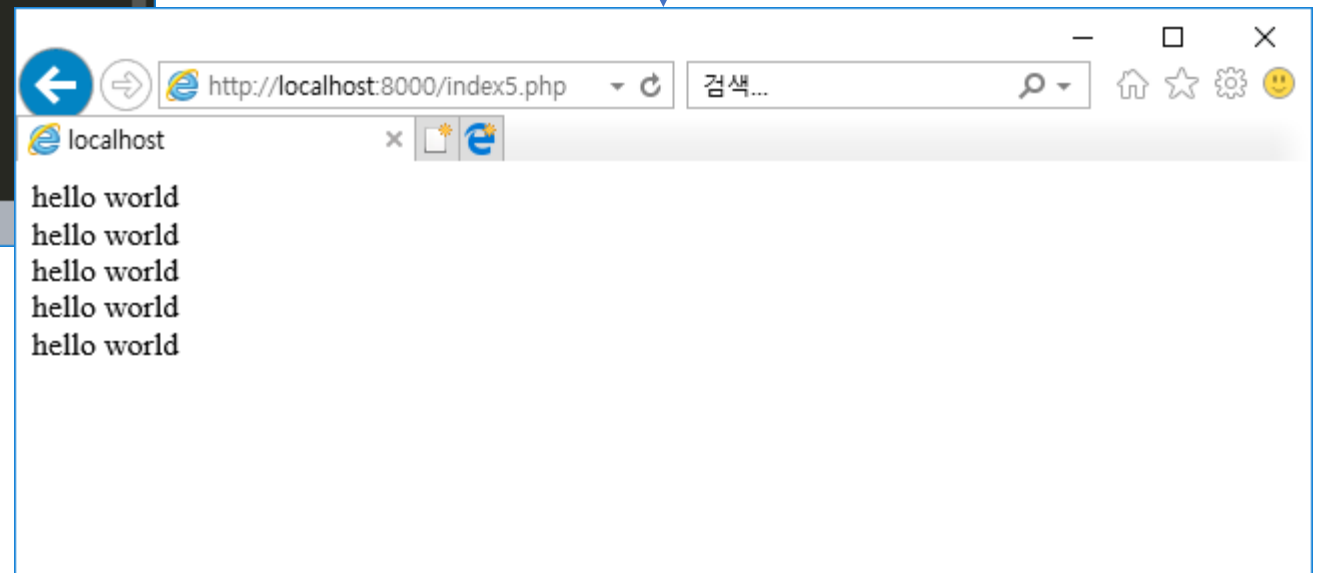


The screenshot shows the Sublime Text editor with the file "index5.php" open. The code is as follows:

```
1 <?php
2     for ($i=0; $i<5; $i++) {
3         echo "hello world <br>";
4     }
5 ?>
```

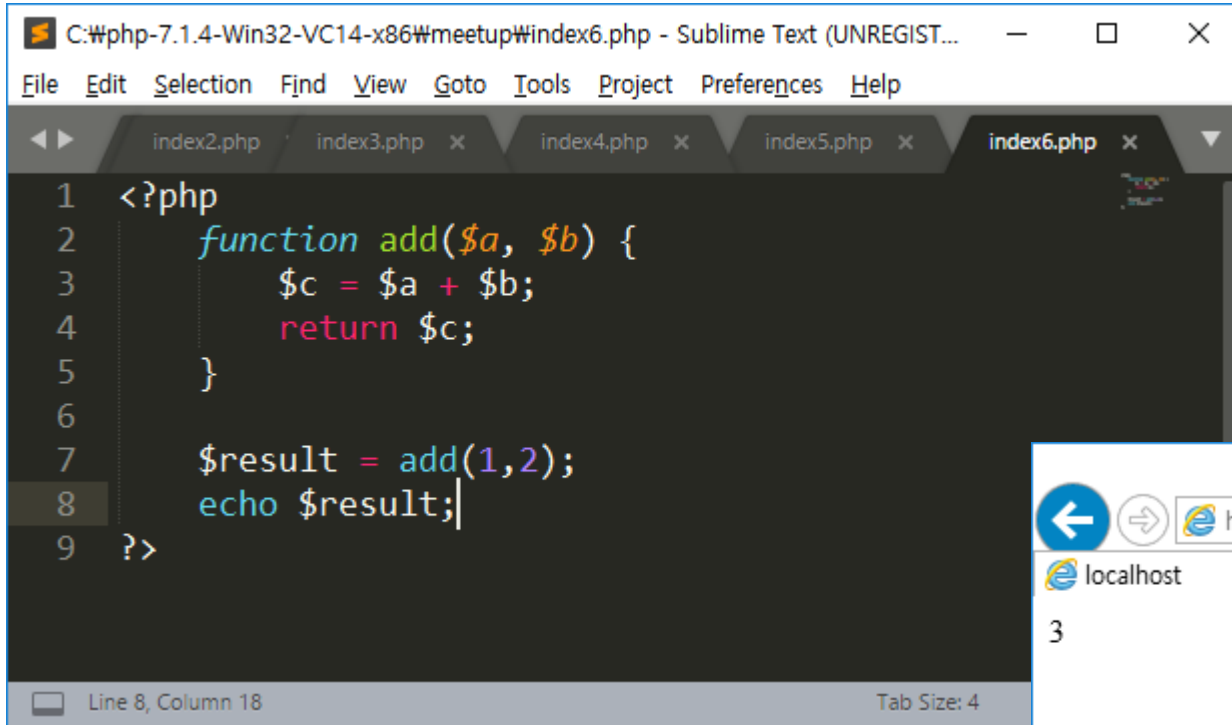
The status bar at the bottom indicates "Line 3, Column 31" and "Tab Size: 4".

<http://localhost:8000/index5.php>





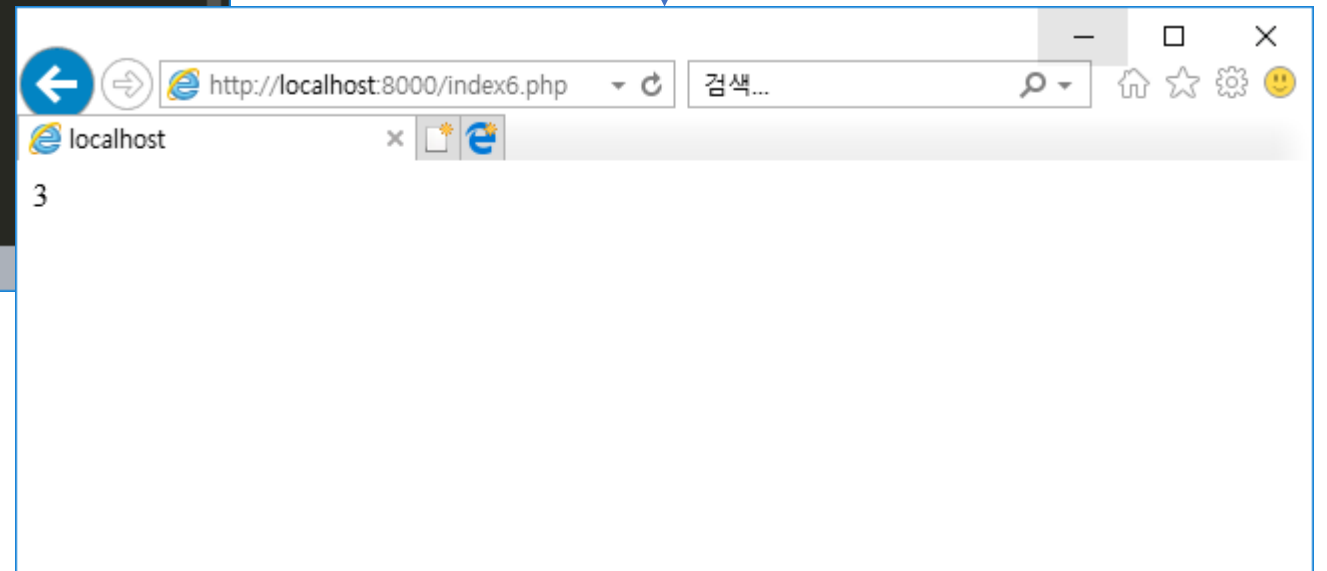
# Function



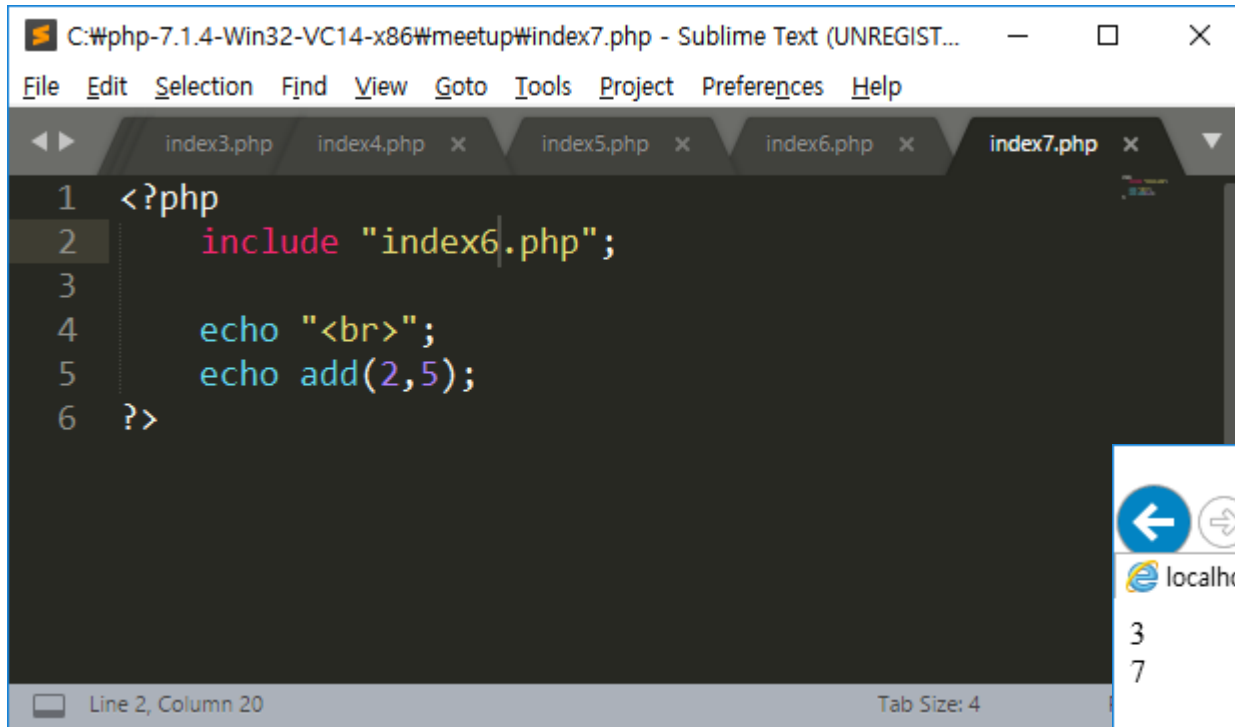
```
1 <?php
2     function add($a, $b) {
3         $c = $a + $b;
4         return $c;
5     }
6
7     $result = add(1,2);
8     echo $result;
9 ?>
```

Line 8, Column 18      Tab Size: 4

<http://localhost:8000/index6.php>

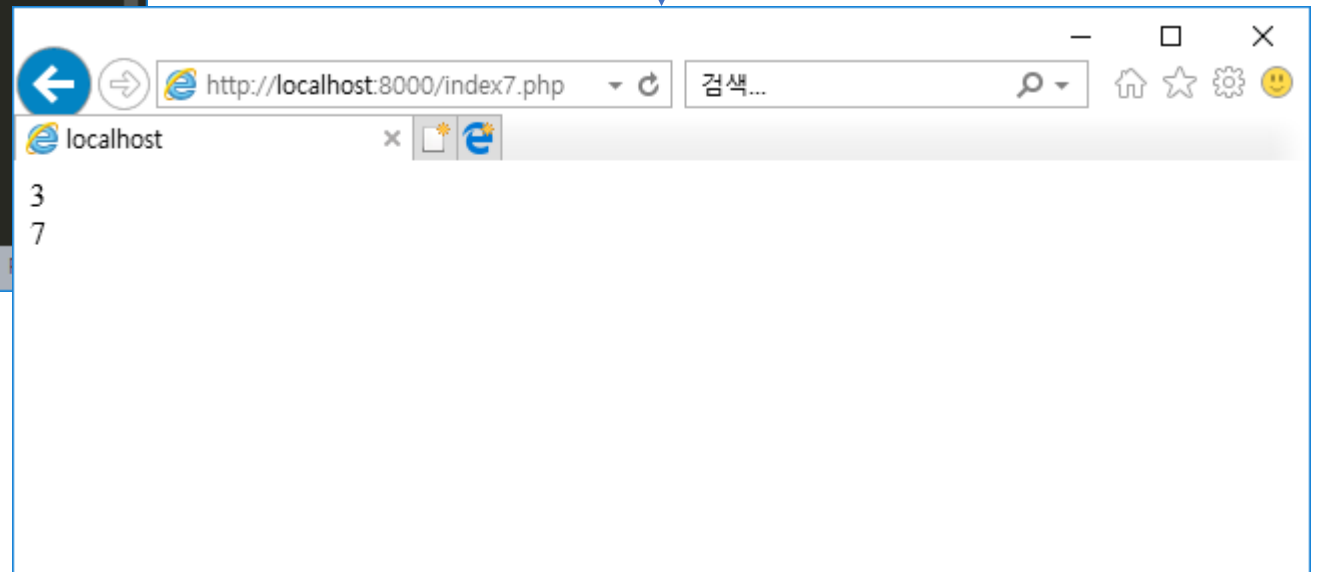


# include



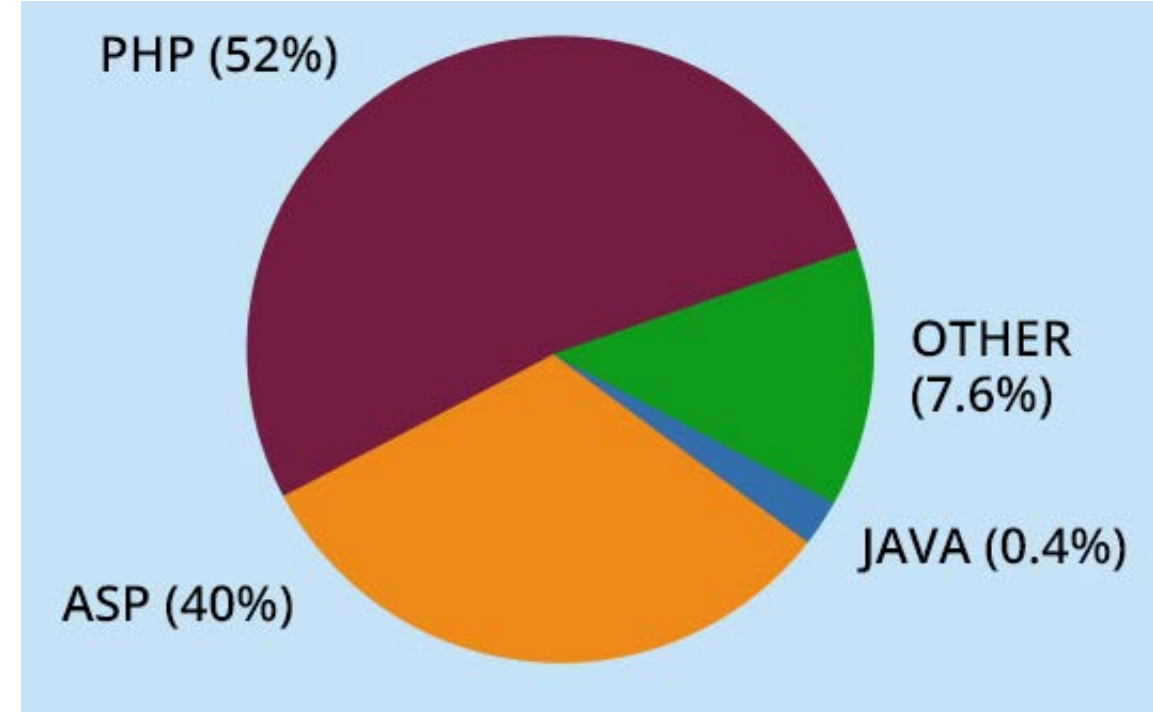
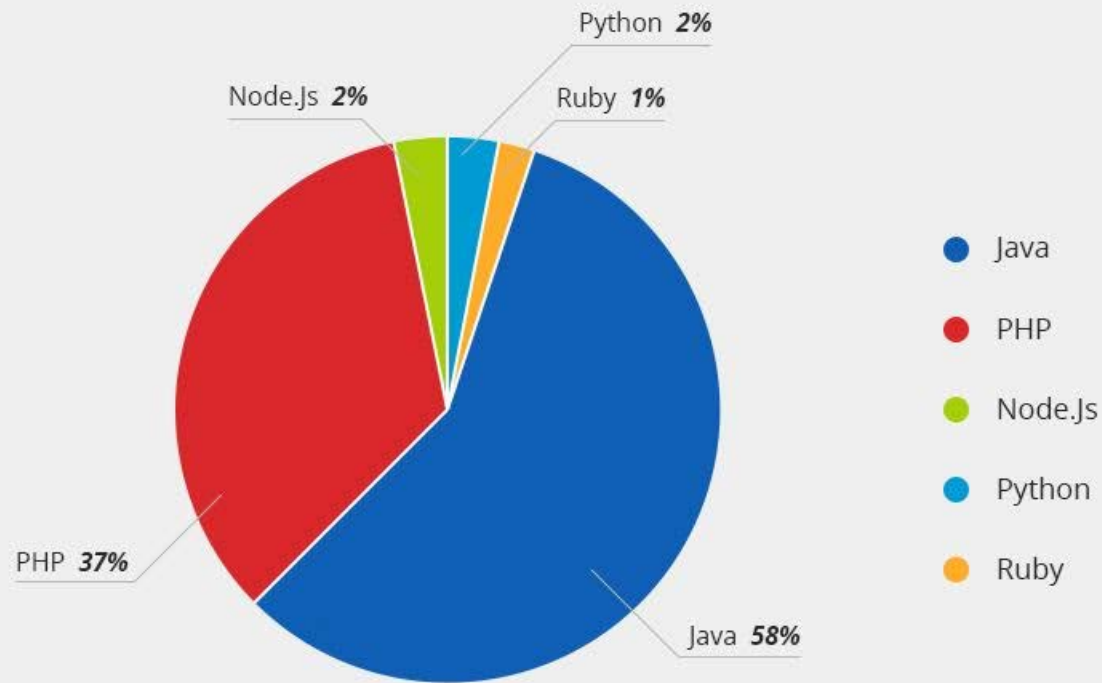
```
1 <?php
2     include "index6.php";
3
4     echo "<br>";
5     echo add(2,5);
6 ?>
```

<http://localhost:8000/index7.php>



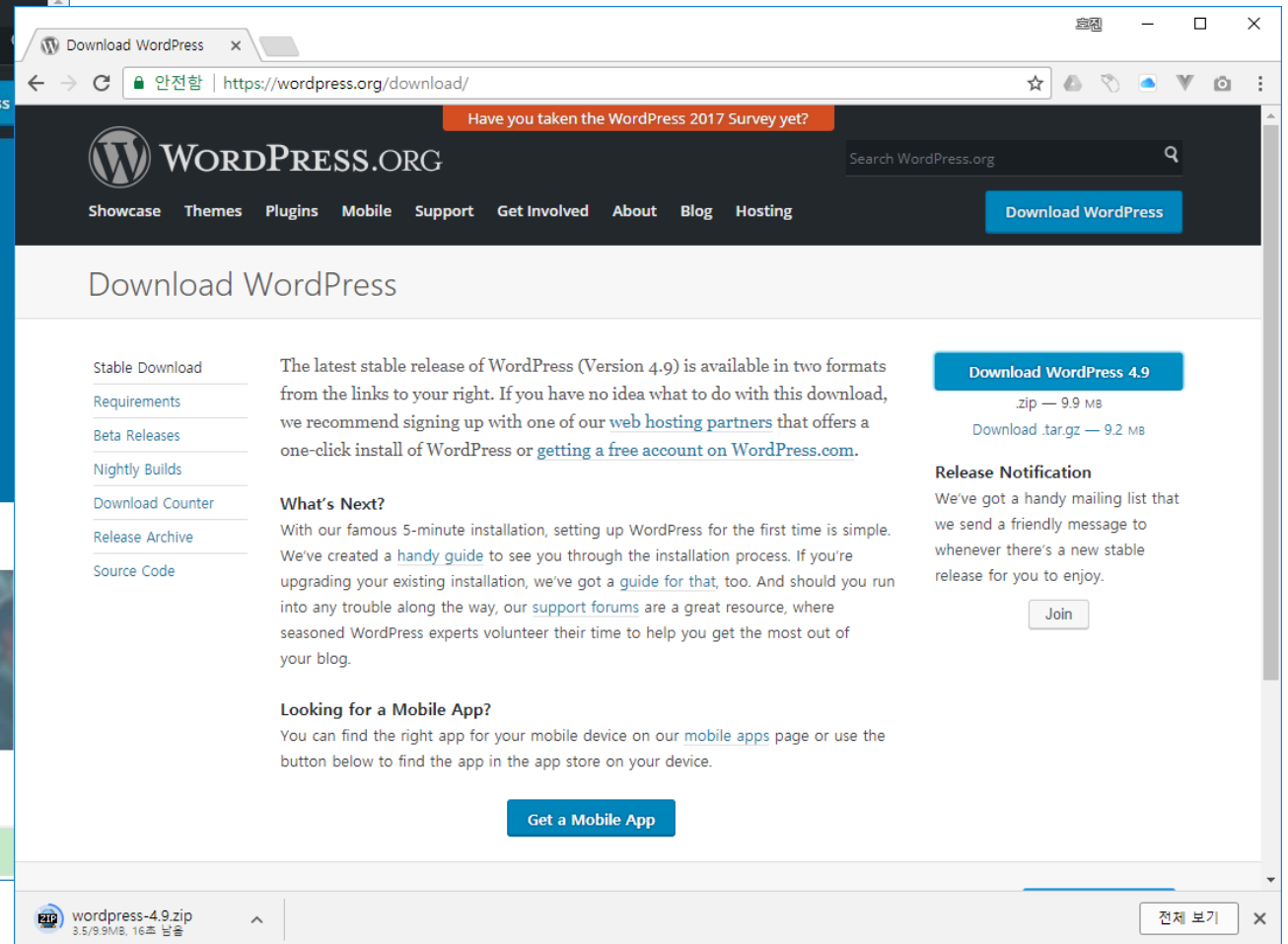
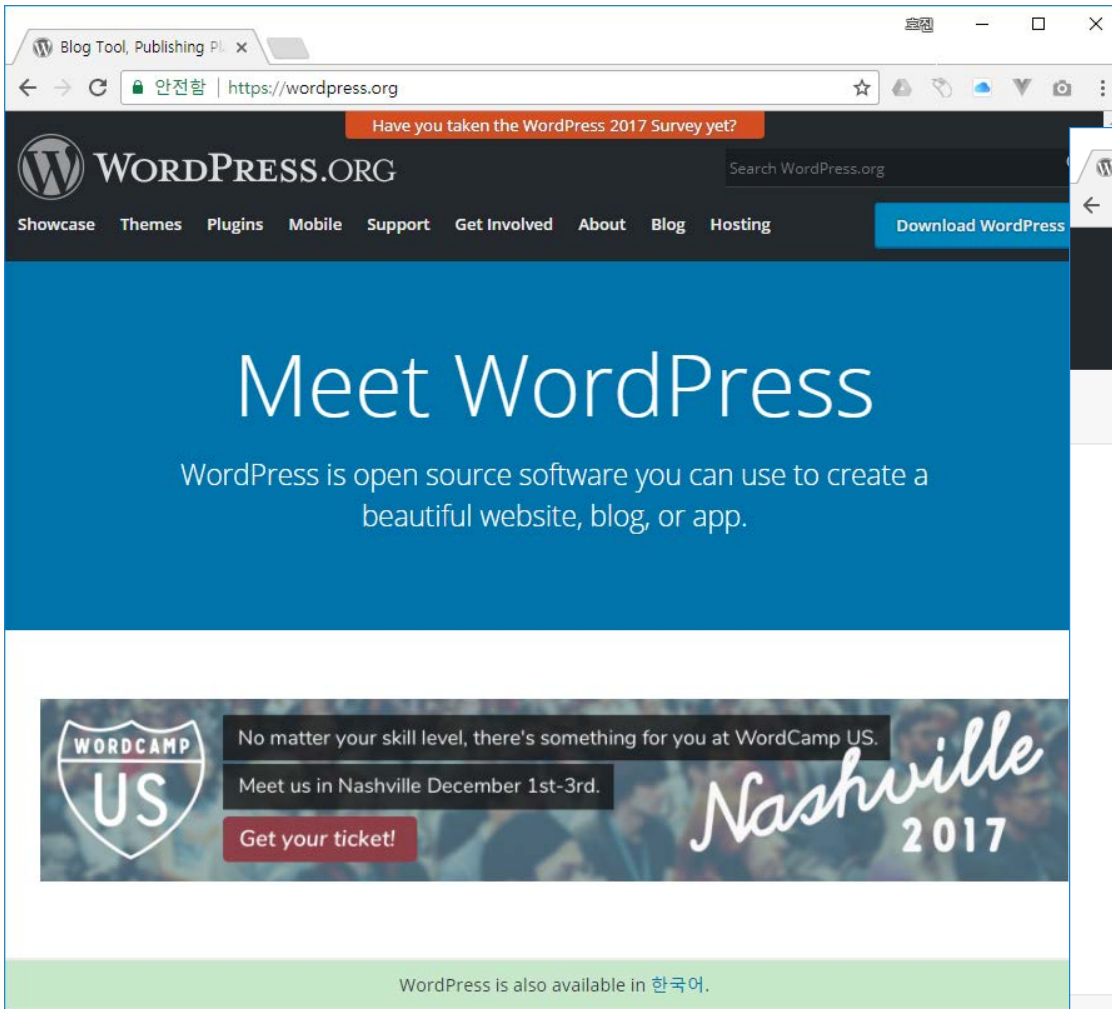
# PHP is a top language for the web

Programming languages market share, Q2-Q3 2016



# WordPress uses the PHP language

## Free Download

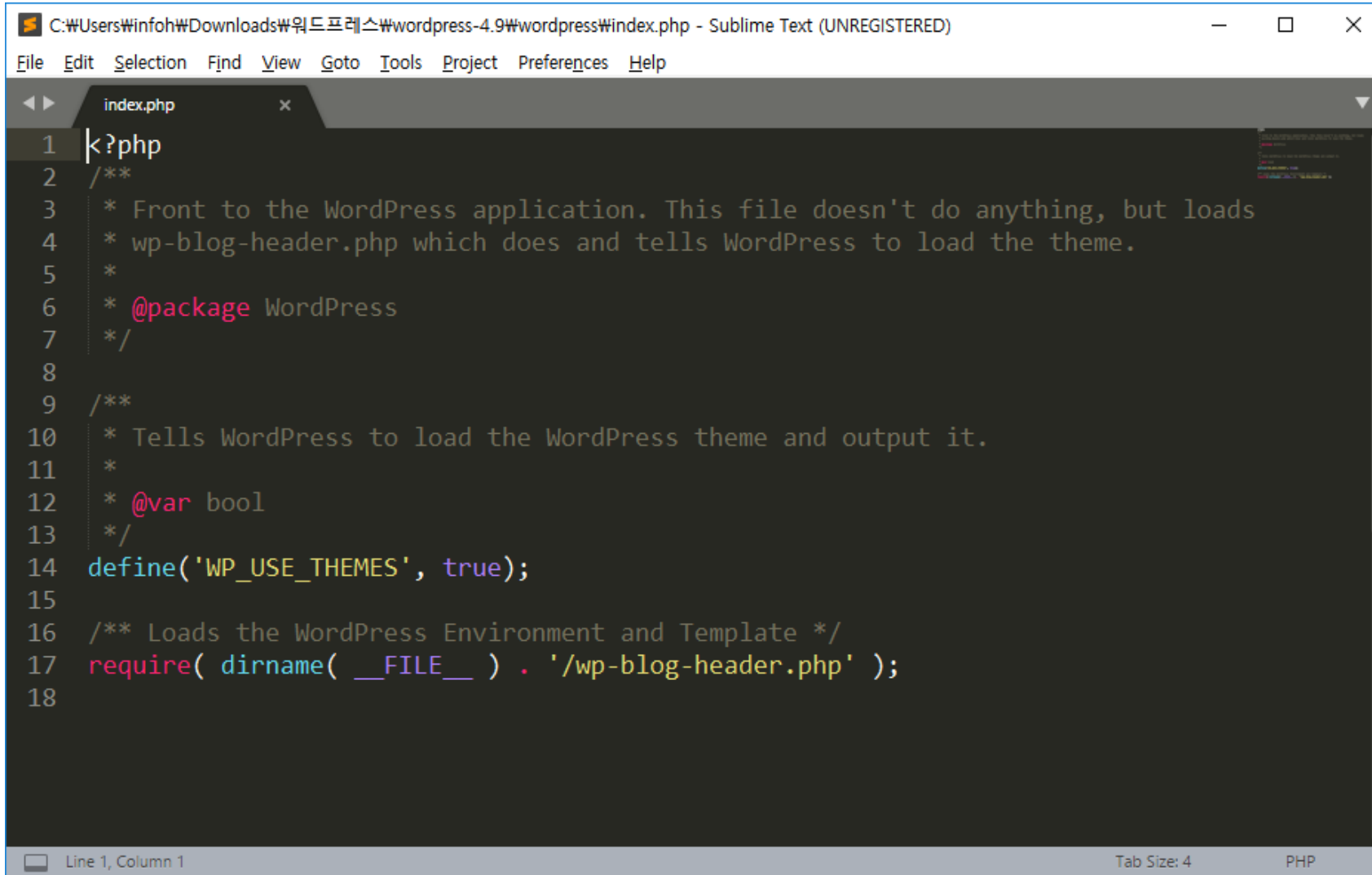


# WordPress 4.9

| 이름                   | 수정한 날짜           | 유형      | 크기   |
|----------------------|------------------|---------|------|
| wp-admin             | 2017-11-29 오후... | 파일 폴더   |      |
| wp-content           | 2017-11-29 오후... | 파일 폴더   |      |
| wp-includes          | 2017-11-29 오후... | 파일 폴더   |      |
| index.php            | 2013-09-25 오전... | PHPfile | 1KB  |
| license              | 2017-01-02 오후... | 텍스트 문서  | 20KB |
| readme               | 2016-12-12 오전... | HTML 파일 | 8KB  |
| wp-activate.php      | 2017-09-23 오후... | PHPfile | 6KB  |
| wp-blog-header.php   | 2015-12-19 오전... | PHPfile | 1KB  |
| wp-comments-post.php | 2016-08-29 오후... | PHPfile | 2KB  |
| wp-config-sample.php | 2015-12-16 오전... | PHPfile | 3KB  |
| wp-cron.php          | 2017-08-20 오전... | PHPfile | 4KB  |
| wp-links-opml.php    | 2016-11-21 오전... | PHPfile | 3KB  |
| wp-load.php          | 2017-08-22 오전... | PHPfile | 4KB  |
| wp-login.php         | 2017-10-13 오전... | PHPfile | 36KB |
| wp-mail.php          | 2017-01-11 오전... | PHPfile | 8KB  |
| wp-settings.php      | 2017-10-04 오전... | PHPfile | 16KB |
| wp-signup.php        | 2017-10-18 오후... | PHPfile | 30KB |
| wp-trackback.php     | 2017-10-23 오후... | PHPfile | 5KB  |
| xmlrpc.php           | 2016-08-31 오후... | PHPfile | 3KB  |

\*\*\*.php files

# WordPress *index.php*



```
C:\Users\winfoh\Downloads\워드프레스\wordpress-4.9\wordpress\index.php - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help

index.php x
1 <?php
2 /**
3  * Front to the WordPress application. This file doesn't do anything, but loads
4  * wp-blog-header.php which does and tells WordPress to load the theme.
5  *
6  * @package WordPress
7  */
8
9  /**
10 * Tells WordPress to load the WordPress theme and output it.
11 *
12 * @var bool
13 */
14 define('WP_USE_THEMES', true);
15
16 /** Loads the WordPress Environment and Template */
17 require( dirname( __FILE__ ) . '/wp-blog-header.php' );
18
```

Line 1, Column 1 Tab Size: 4 PHP