

Configuration for Lab.

HTML



Bok, Jong Soon
javaexpert@nate.com
<https://github.com/swacademy/HTML5>

Requirements

■ OS

- Microsoft Windows 7 later
- Ubuntu, Fedora, Linux Mint, Mac OS X, etc...

■ Web Server

- Apache Web Server, Nginx, Internet Information Server

■ Web Browsers

- Edge, Firefox 24+, Opera 16+, Google Chrome 29+, Safari 6.0+

■ Text Editor

■ HTML Editors(option)

Web Browsers (Cont.)



Web Browsers (Cont.)

- Firefox

- <http://www.mozilla.org/en-US/firefox/all/>

- Opera

- <http://www.opera.com/>

- Google Chrome

- <https://www.google.com/intl/en/chrome/browser/>

- Safari

- <http://www.apple.com/safari/>

- MSIE 11

- <https://support.microsoft.com/en-us/help/18520/download-internet-explorer-11-offline-installer>

- Microsoft Edge

- <https://apps.microsoft.com/detail/xpfftq037jwmhs?hl=be-by&gl=BY>

Browser Developer Tools



Browser	Built-In Tool	Mac Shortcut	Windows Shortcut
Chrome	Developer Tools	Command + Option + J	Ctrl + Shift + J
Firefox	Firebug	F12	F12
Opera	Dragonfly	Command + Option + I	Ctrl + Shift + I
Safari	Web Inspector	Command + Option + I	Ctrl + Alt + I
Internet Explorer	Developer Tools		F12
Microsoft Edge	Developer Tools		Ctrl + Shift + I

IDEs for HTML *NOT* Free

- Adobe Dreamweaver

- <https://creative.adobe.com/products/dreamweaver>

- CoffeeCup HTML Editor

- <https://www.coffeecup.com/html-editor/>

- WebStorm

- <https://www.jetbrains.com/webstorm/>

IDEs for HTML

■ Aptana Studio

- <http://www.aptana.com/>



■ Microsoft Expression Web 4

- <https://www.microsoft.com/en-us/download/details.aspx?id=36179>

■ Eclipse

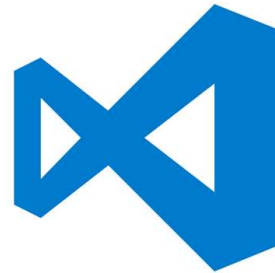
- <http://www.eclipse.org/>

■ Google Web Designer

- <https://www.google.com/webdesigner/>



Text Editors



Text Editors (Cont.)

- Notepad for Windows

A screenshot of the Notepad application window. The title bar reads "Untitled - Notepad". The menu bar includes "File", "Edit", "Format", "View", and "Help". The text area contains the following HTML code:

```
<!DOCTYPE html>
<html>
<body>

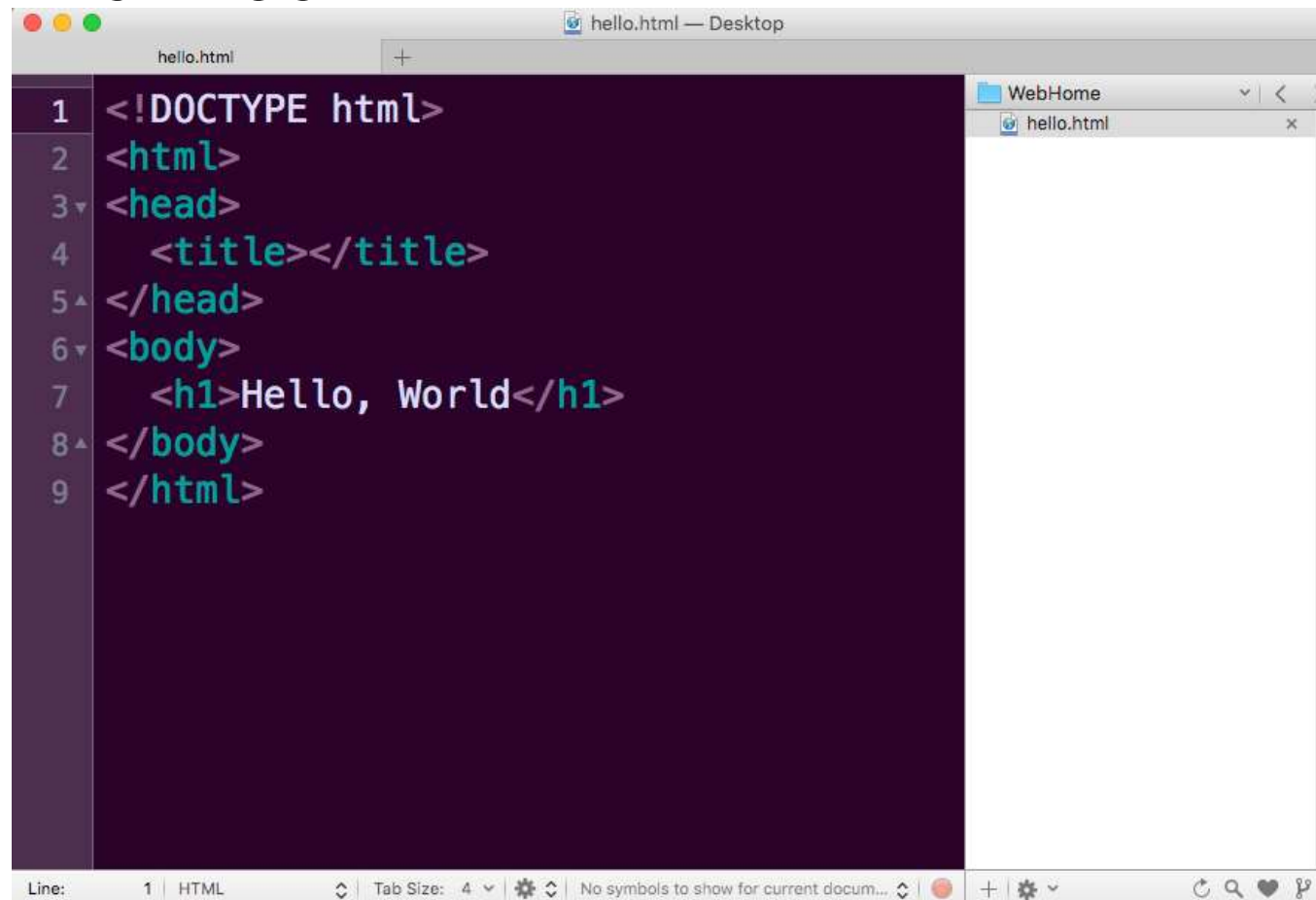
<h1>My First Heading</h1>

<p>My first paragraph.</p>

</body>
</html>
```

Text Editors (Cont.)

■ TextMate 2 for Mac



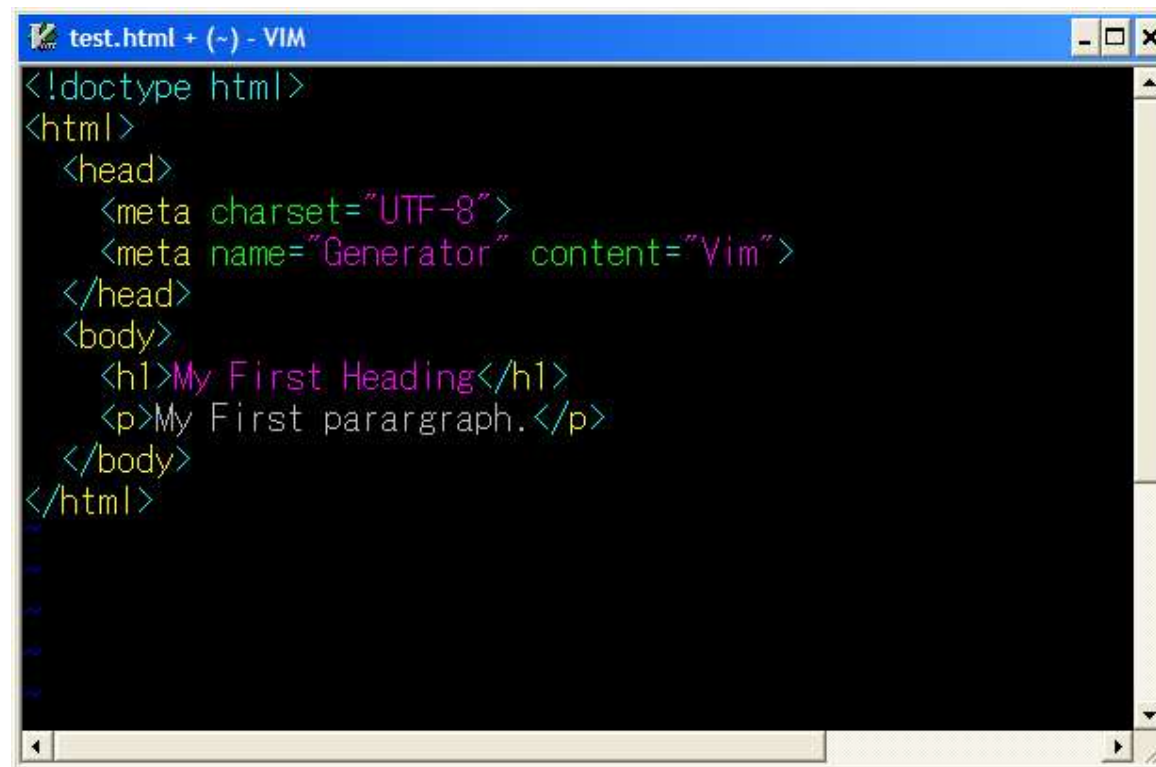
The screenshot shows the TextMate 2 application window on a Mac. The title bar indicates the file is 'hello.html' located on the Desktop. The editor has a dark purple theme. On the left, a line number column shows lines 1 through 9. The main editing area contains the following HTML code:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title></title>
5 </head>
6 <body>
7   <h1>Hello, World</h1>
8 </body>
9 </html>
```

On the right side of the window, there is a sidebar showing a file tree with 'WebHome' and 'hello.html'. The status bar at the bottom displays 'Line: 1 | HTML', 'Tab Size: 4', and other settings.

Text Editors (Cont.)

- Vim for any OS.
 - <http://www.vim.org/>

A screenshot of a Vim text editor window. The title bar at the top reads 'test.html + (~) - VIM'. The editor's background is black, and the text is displayed in a color-coded syntax: HTML tags are green, attribute values are pink, and text content is light blue. The code shown is a basic HTML document structure.

```
<!doctype html>
<html>
  <head>
    <meta charset="UTF-8">
    <meta name="Generator" content="Vim">
  </head>
  <body>
    <h1>My First Heading</h1>
    <p>My First parargraph.</p>
  </body>
</html>
```

Text Editors (Cont.)

■ Editplus

- <http://www.editplus.com>

A screenshot of the EditPlus text editor window. The title bar reads "Noname1.html - EditPlus". The menu bar includes "파일(F)", "편집(E)", "보기(V)", "검색(S)", "문서(D)", "프로젝트(P)", "도구(T)", "브라우저(B)", "ZC", "창(W)", and "도움말(H)". The toolbar contains various icons for file operations, editing, and viewing. The left sidebar shows a "디렉토리" (Directory) view with a tree structure: "[C:] > C:\ > Program Files > EditPlus 3". Below this is a list of files: "949.chm", "ansi.cti", "codepage.txt", "control.cti", "cpp.acp", "cpp.stx", "cs.stx", and "css.stx". The main editing area displays an HTML document with the following code:

```
1 <!doctype html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="Generator" content="EditPlus@">
6 </head>
7 <body>
8   <h1>My First Heading</h1>
9
10  <p>My First paragraph.</p>
11 </body>
12 </html>
```

The status bar at the bottom shows "도움말을 보려면 <F1> 키를 누르십시오." (Press F1 for help), "줄 12" (Line 12), "칸 8" (Column 8), "12" (Line number), "00" (Column number), "PC" (Platform), and "UTF-8" (Encoding).

Text Editors (Cont.)

■ Notepad++ (recommendation)

- <http://notepad-plus-plus.org/>

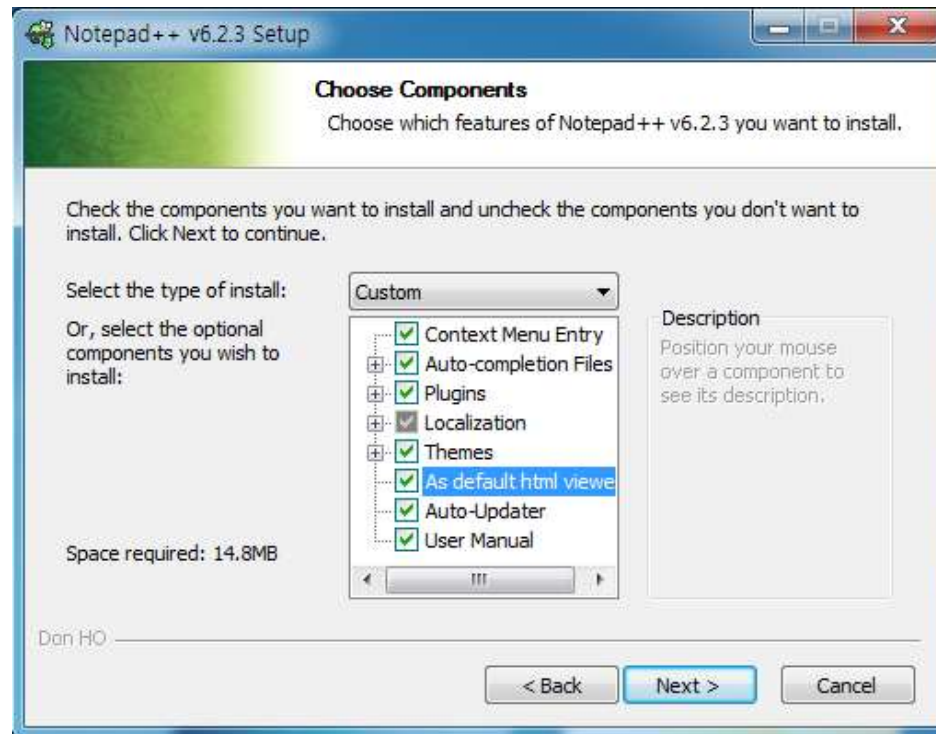


```
1 <!doctype html>
2 <html>
3 <head>
4   <meta charset="UTF-8">
5   <meta name="Generator" content="Notepad++">
6 </head>
7 <body>
8   <h1>My First Heading.</h1>
9
10  <p>My First paragraph.</p>
11 </body>
12 </html>
13
14
15
```

length : 219 lines : 15 Ln : 10 Col : 30 Sel : 0 | 0 Dos Windows UTF-8 INS

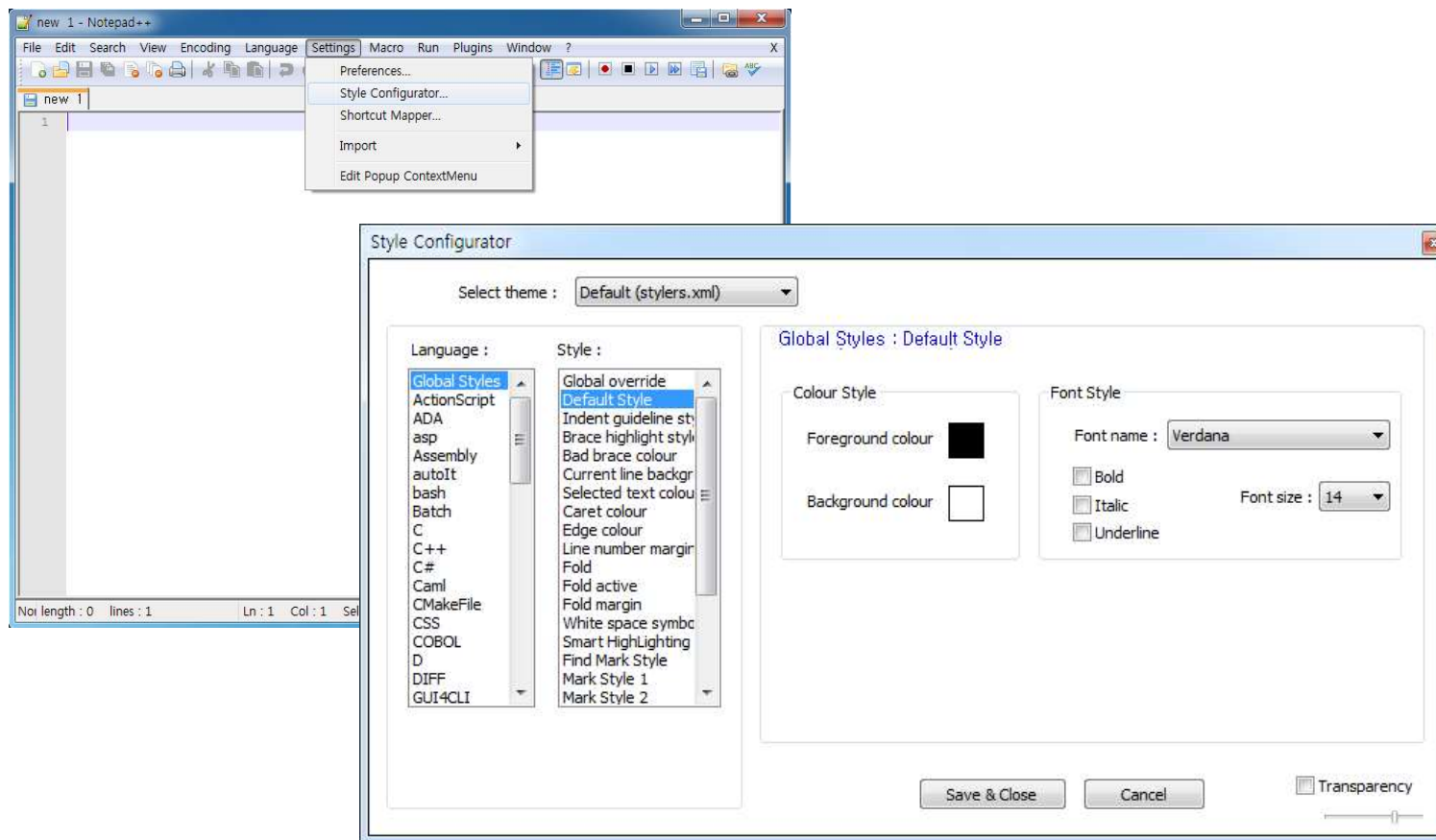
Lab1 : Install & Configure Notepad++

1. Download from <http://notepad-plus.org>
2. Installation Notepad++



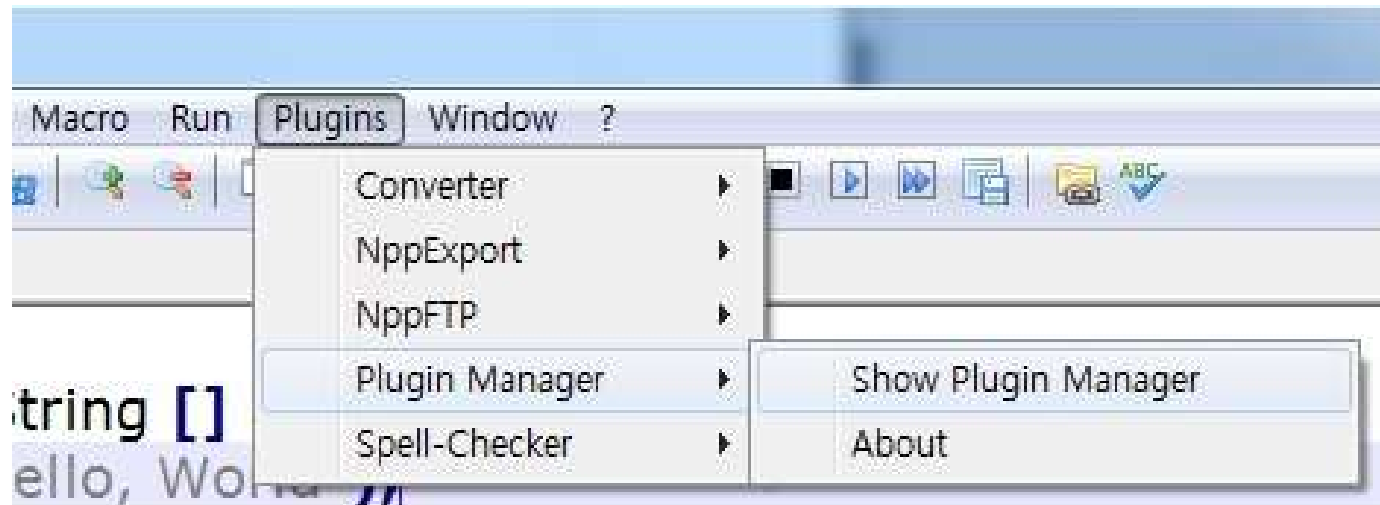
Lab1 : Install & Configure Notepad++ (Cont.)

3. Configure Notepad++ Style.



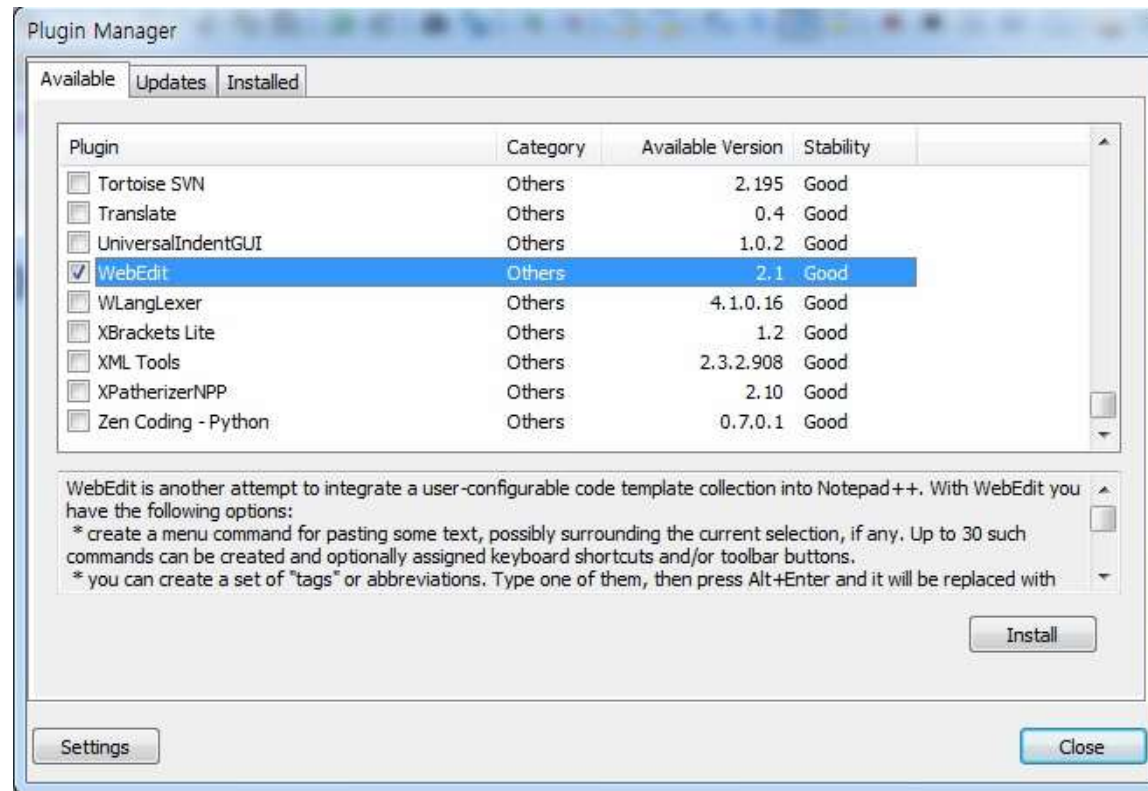
Lab1 : Install & Configure Notepad++ (Cont.)

4. Configure Notepad++ Plugins

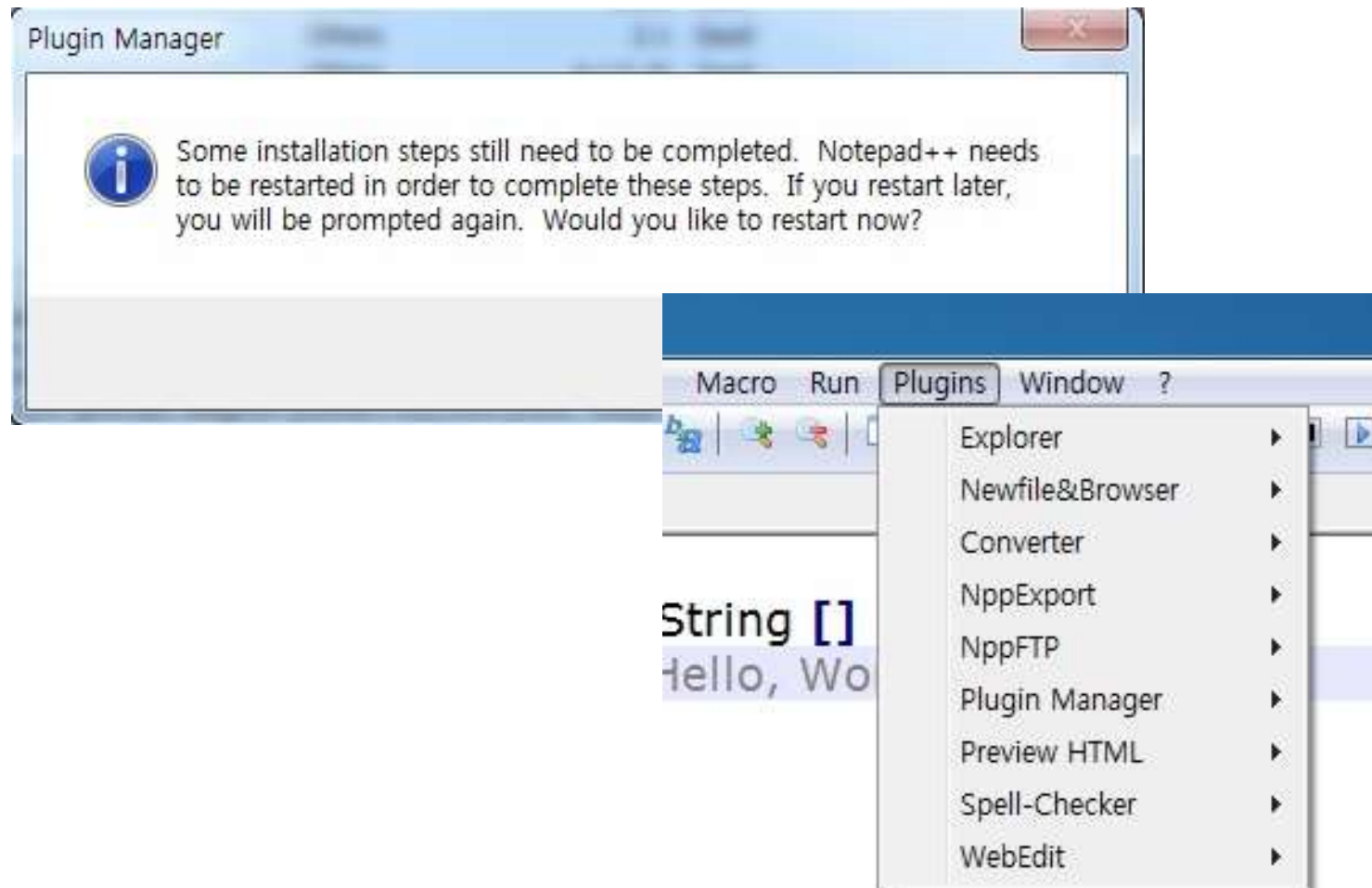


Lab1 : Install & Configure Notepad++ (Cont.)

5. Install [Explorer],[NewFileBrowser],[Preview HTML], [WebEdit]

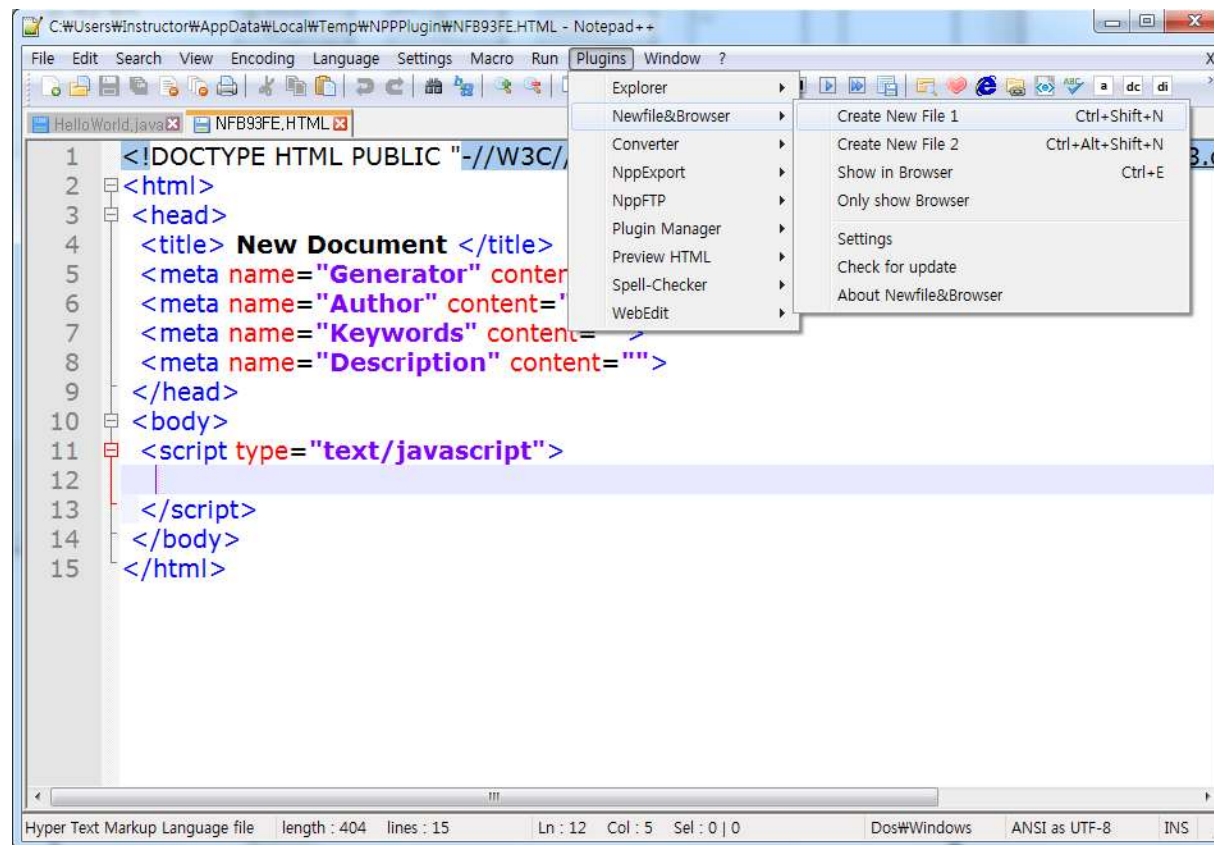


Lab1 : Install & Configure Notepad++ (Cont.)



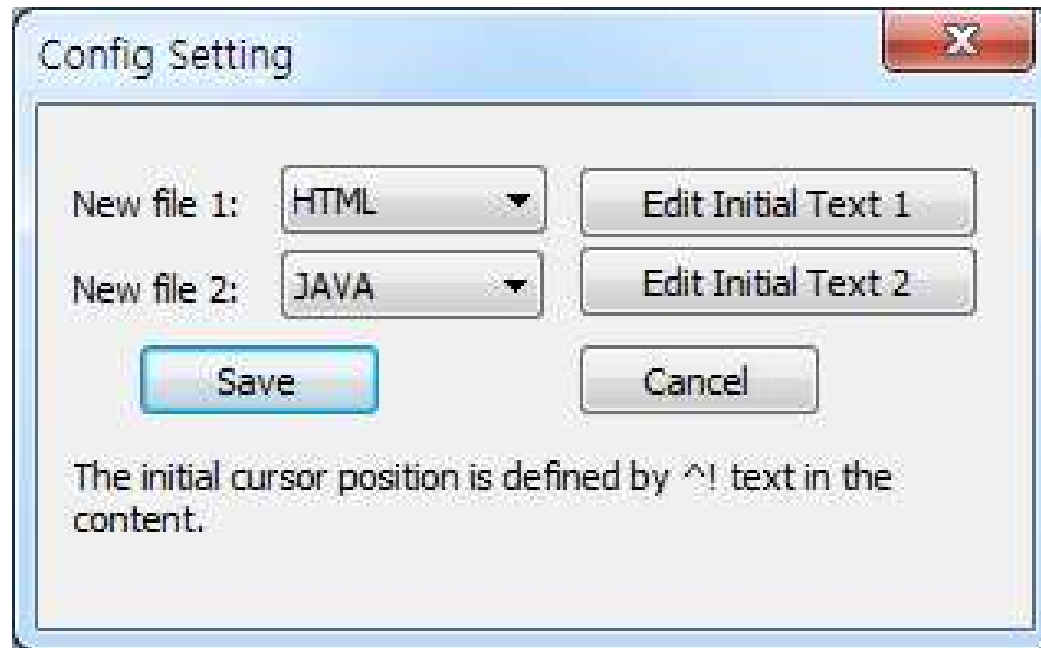
Lab1 : Install & Configure Notepad++ (Cont.)

6. Configure [Newfile&Browser] Plugin.



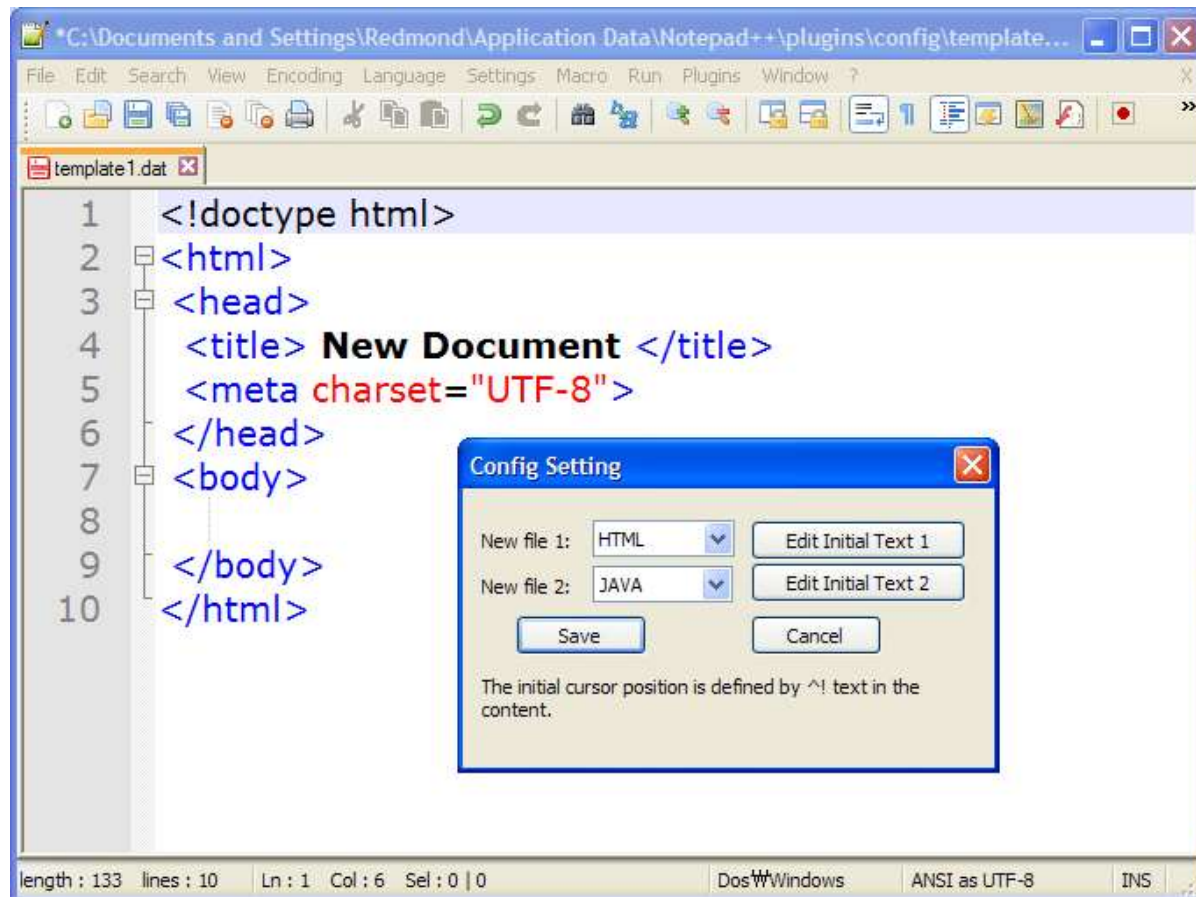
Lab1 : Install & Configure Notepad++ (Cont.)

7. Click to [Plugins] → [Newfile&Browser] → [Settings]



Lab1 : Install & Configure Notepad++ (Cont.)

8. Edit to [New file 1:] & Save.



Lab2 : Apache Web Server Installation & Configuration

- Download from Apache HTTP Server.
 - <http://httpd.apache.org/> for Linux
 - <https://www.apachelounge.com/download/> for Windows
- Network Domain
 - localhost
- Server Name
 - localhost
- Administrator's Email Address
 - Your email address

Lab2 : Apache Web Server Installation & Configuration (Cont.)

- Setup Type

- Typical

- Destination Folder

- C:\Program Files\Apache Software Foundation\Apache2.4\

Lab2 : Apache Web Server Installation & Configuration (Cont.)



Lab2 : Apache Web Server Installation & Configuration (Cont.)

■ %Apache Installation Folder%\conf\httpd.conf

```
35 # least PidFile.
36 #
37 Define SRVROOT "C:/Program Files/Apache24"
38
39 ServerRoot "${SRVROOT}"
40
41 #
42 # Mutex: Allows you to set the mutex mechanism and mutex file directory
43 # for individual mutexes, or change the global defaults
44 #
45 # Uncomment and change the directory if mutexes are file-based and the default
46 # mutex file directory is not on a local disk or is not appropriate for some
47 # other reason.
48 #
49 # Mutex default:logs
50
51 #
52 # Listen: Allows you to bind Apache to specific IP addresses and/or
53 # ports, instead of the default. See also the <VirtualHost>
54 # directive.
55 #
56 # Change this to Listen on specific IP addresses as shown below to
57 # prevent Apache from glomming onto all bound IP addresses.
58 #
59 #Listen 12.34.56.78:80
60 Listen 80
61
62 #
```

Lab2 : Apache Web Server Installation & Configuration (Cont.)

■ %Apache Installation Folder%\conf\httpd.conf

```
217 #
218 | ServerAdmin admin@example.com
219 #
220 #
221 # ServerName gives the name and port that the server uses to identify itself.
222 # This can often be determined automatically, but we recommend you specify
223 # it explicitly to prevent problems during startup.
224 #
225 # If your host doesn't have a registered DNS name, enter its IP address here.
226 #
227 | ServerName www.example.com:80
228 #
229 #
230 # Deny access to the entirety of your server's filesystem. You must
231 # explicitly permit access to web content directories in other
232 # <Directory> blocks below.
233 #
234 <Directory />
235     AllowOverride none
236     Require all denied
237 </Directory>
238
```

```
250 #
251 | #DocumentRoot "${SRVROOT}/htdocs"
252 | DocumentRoot "C:/WebHome"
253
```

Lab2 : Apache Web Server Installation & Configuration (Cont.)

■ %Apache Installation Folder%\conf\httpd.conf

```
254 # <Directory "${SRVROOT}/htdocs">
255 <Directory "C:/WebHome">
256 #
257 # Possible values for the Options directive are "None", "All",
258 # or any combination of:
259 #   Indexes Includes FollowSymLinks SymLinksifOwnerMatch ExecCGI MultiViews
260 #
261 # Note that "MultiViews" must be named *explicitly* --- "Options All"
262 # doesn't give it to you.
263 #
264 # The Options directive is both complicated and important. Please see
265 # http://httpd.apache.org/docs/2.4/mod/core.html#options
266 # for more information.
267 #
268 Options Indexes FollowSymLinks
269
270 #
271 # AllowOverride controls what directives may be placed in
272 # .htaccess files. It can be "All", "None", or any combination
273 # of the following:
274 #   AllowOverride FileInfo AuthConfig Limit
275 #
276 AllowOverride None
277
278 #
279 # Controls who can get stuff from this server.
280
281 Require all granted
282 </Directory>
```

```
286 #
287 <IfModule dir_module>
288     DirectoryIndex index.html
289 </IfModule>
290
```

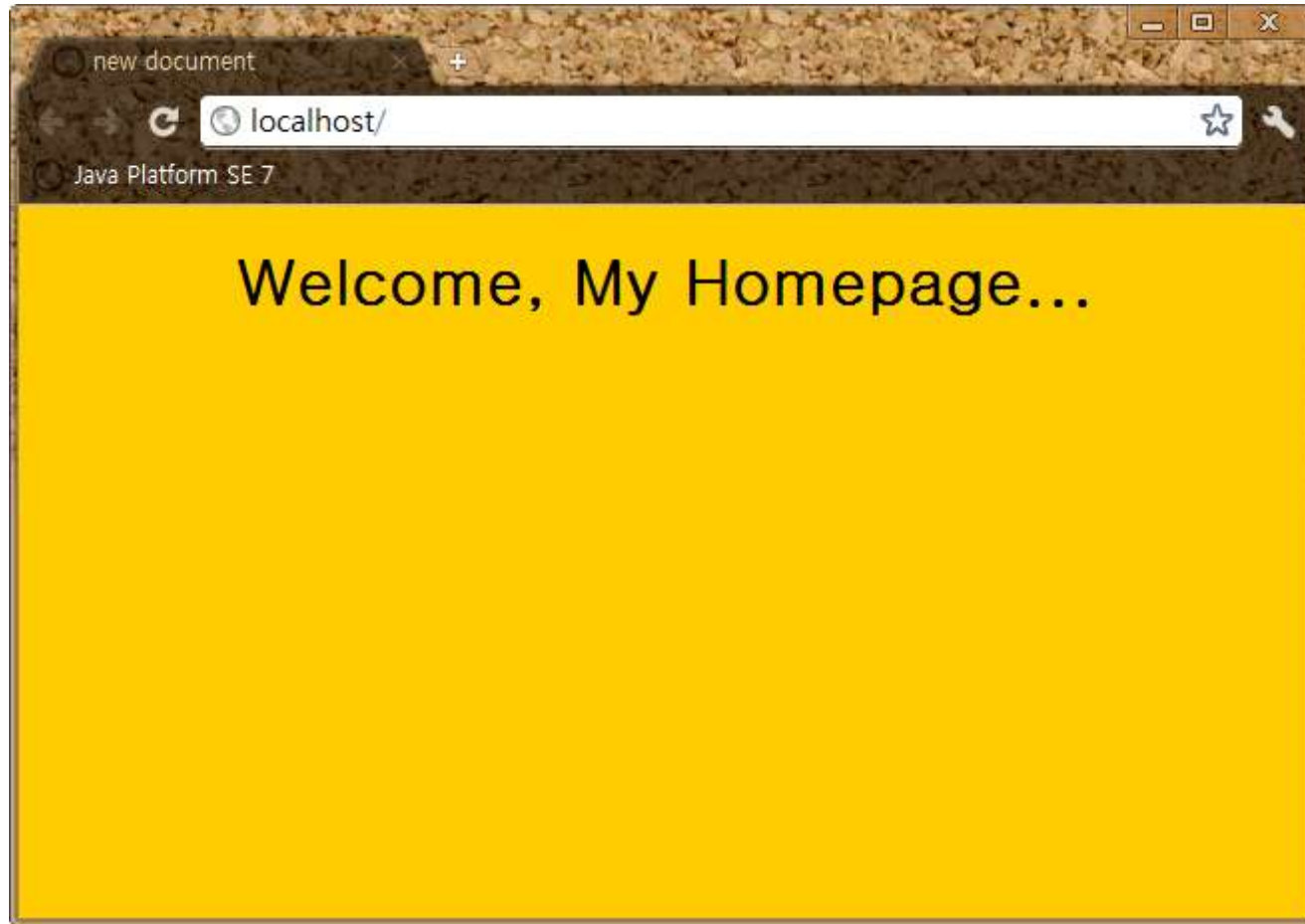
Lab2 : Apache Web Server Installation & Configuration (Cont.)

- %Apache Installation Folder%\conf\httpd.conf
- Save File
- Apache Web Service Restart

```
C:\Users\MZC-USER>net stop Apache2.4
Apache2.4 서비스를 멈춥니다..
Apache2.4 서비스를 잘 멈추었습니다.

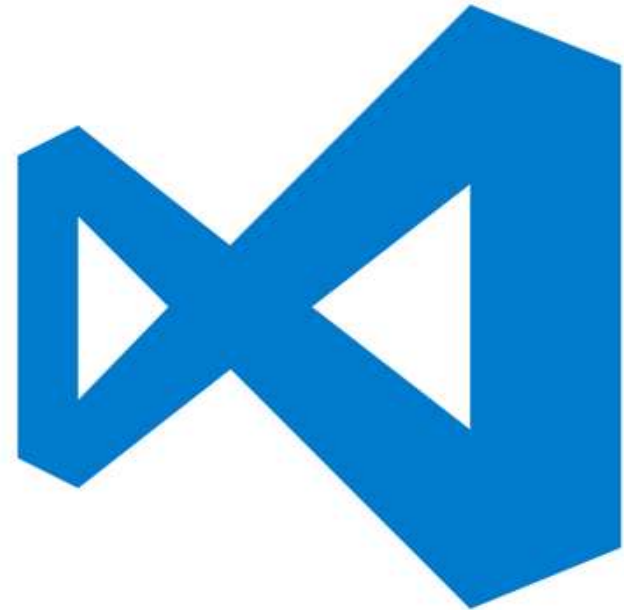
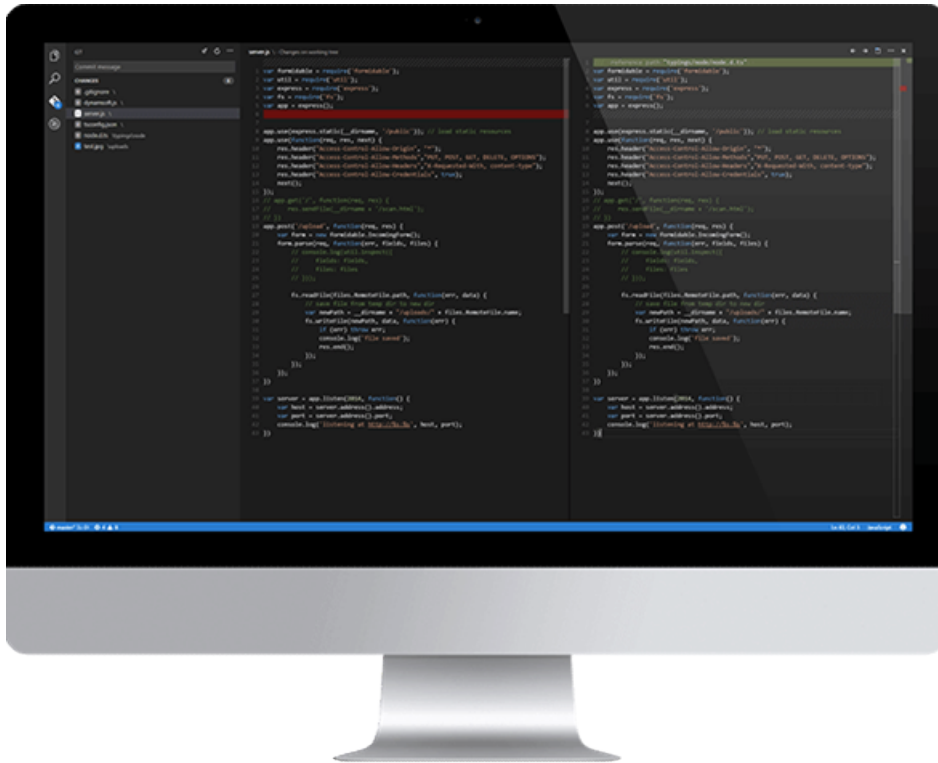
C:\Users\MZC-USER>net start Apache2.4
Apache2.4 서비스를 시작합니다..
Apache2.4 서비스가 잘 시작되었습니다.
```

Lab2 : Apache Web Server Installation & Configuration (Cont.)



Lab3 : Visual Studio Code Installation and Configuration

1. Visit <https://code.visualstudio.com/>
2. Downloads Visual Studio Code



Lab3 : Visual Studio Code Installation and Configuration

Download Visual Studio Code

Free and built on open source. Integrated Git, debugging and extensions.



↓ Windows

Windows 10, 11

User Installer	x64	Arm64
System Installer	x64	Arm64
.zip	x64	Arm64
CLI	x64	Arm64



↓ .deb

Debian, Ubuntu

↓ .rpm

Red Hat, Fedora, SUSE

.deb	x64	Arm32	Arm64
.rpm	x64	Arm32	Arm64
.tar.gz	x64	Arm32	Arm64
Snap	Snap Store		
CLI	x64	Arm32	Arm64



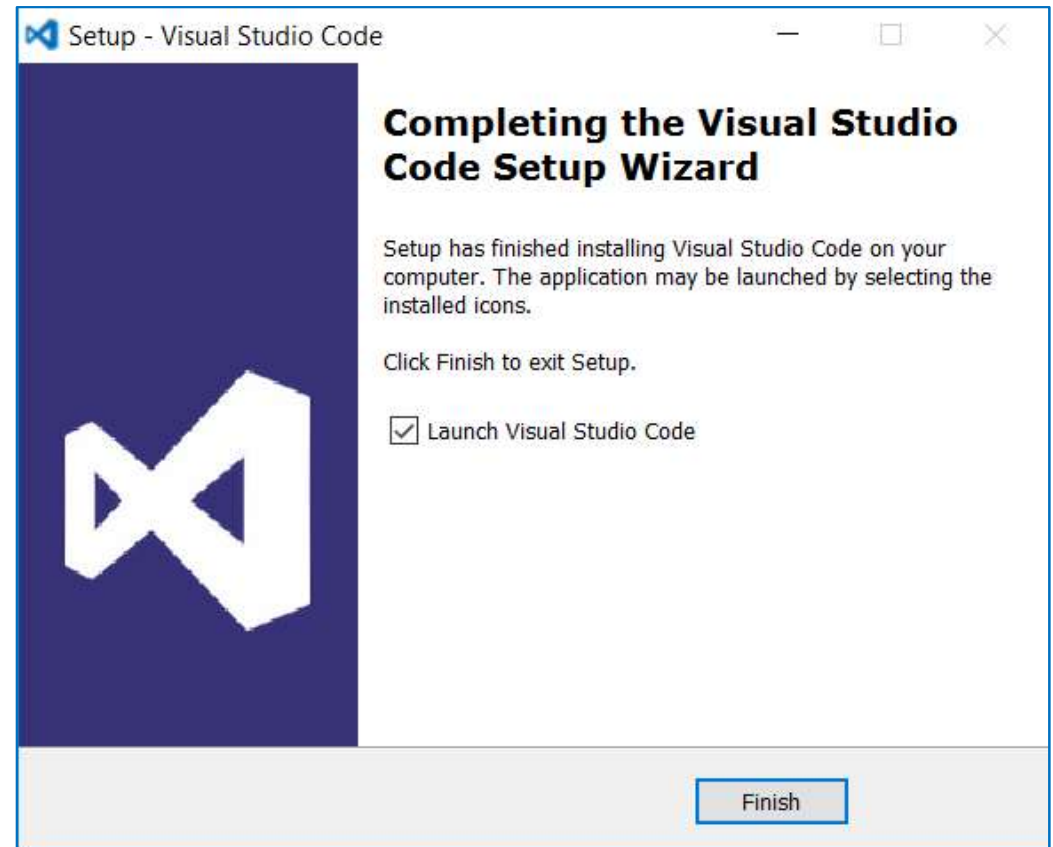
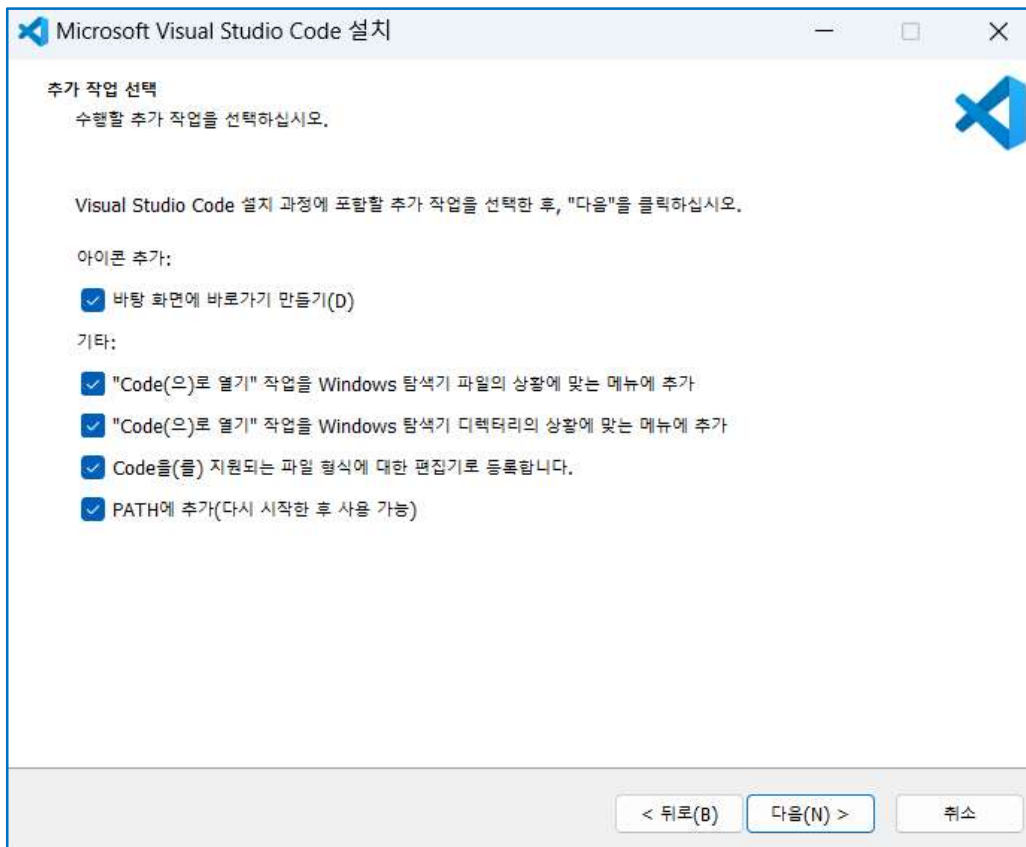
↓ Mac

macOS 10.15+

.zip	Intel chip	Apple silicon	Universal
CLI	Intel chip	Apple silicon	

Lab3 : Visual Studio Code Installation and Configuration (Cont.)

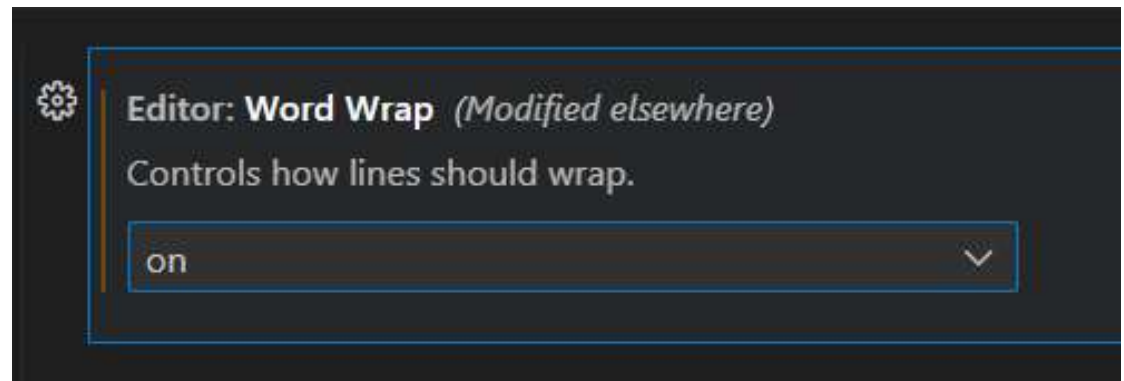
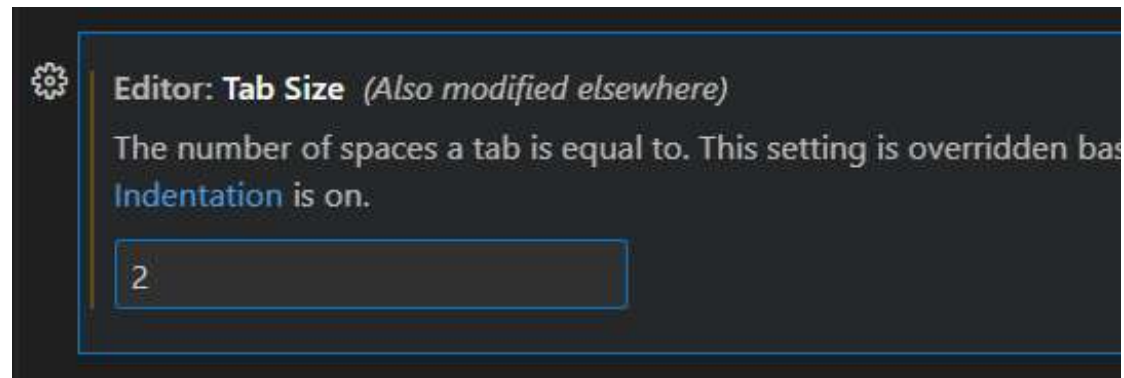
3. Install Visual Studio Code.



Lab3 : Visual Studio Code Installation and Configuration (Cont.)

4. Configuration

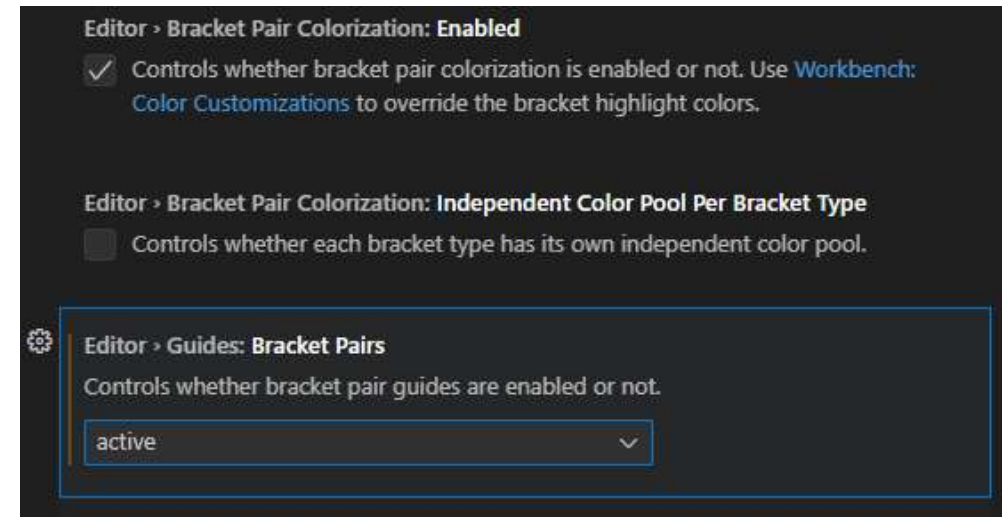
- Tab Size : 2
- Word Wrap : on



Lab3 : Visual Studio Code Installation and Configuration (Cont.)

5. Extensions

- Material Icon Theme
- Live Server
- Indent-Rainbow
- Bracket Pair Colorization Toggler
- Auto Rename Tag
- Night Owl
- ESLint
- Prettier – Code formatter



Lab4 : Register Free Web Hosting

The screenshot shows the DOTHOME website interface. The browser address bar displays 'https://www.dothome.co.kr/index.php'. The website header includes the DOTHOME logo and navigation links. Below the header is a grid of service categories and their corresponding links. The 'Free Web Hosting' link is highlighted with a red box.

도메인	무제한 웹호스팅	웹호스팅	닷홈빌더	웹메일	서버호스팅	기타서비스
도메인 신청	무제한 웹호스팅 신청	리눅스호스팅 신청	닷홈빌더 테마 신청	웹메일 신청	서버호스팅 신청	SSL 보안 인증서
이용안내	이용안내	이용안내	이용안내	이용안내	코로케이션 신청	PG 전자결제 서비스
도메인 연장	무제한 사양 비교	워드프레스 호스팅	닷홈빌더 무료 체험	웹메일 데모 체험	1:1 서버관리 서비스	내 기타서비스 관리
도메인 기관이전	테마선택	XE,제로보드 호스팅	닷홈빌더 사양 비교	웹메일 사양 비교	소프트웨어 임대	
부가서비스	워드프레스 테마	단독 웹호스팅	닷홈빌더 소개	무제한 웹메일 소개	내 서버호스팅 관리	
내 도메인 관리	XE 테마	이미지 호스팅	사용자 데모	기업보안 웹메일 소개		
내 DNS 관리	그누보드 테마	무료 호스팅	관리자 데모	자주묻는 질문과 답변		
	내 무제한 관리	내 웹호스팅 관리	자주묻는 질문과 답변	내 웹메일 관리		
		내 트래픽 관리	내 닷홈빌더 관리			

자세히보기

Lab5 : Transfer file to MyHomepage with FTP Tool

