

# **Configuration for Lab.**

**HTML**



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# 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
  - IE11+, Firefox 24+, Opera 16+, Google Chrome 29+, Safari 6.0+
- Text Editor
- HTML Editors(option)

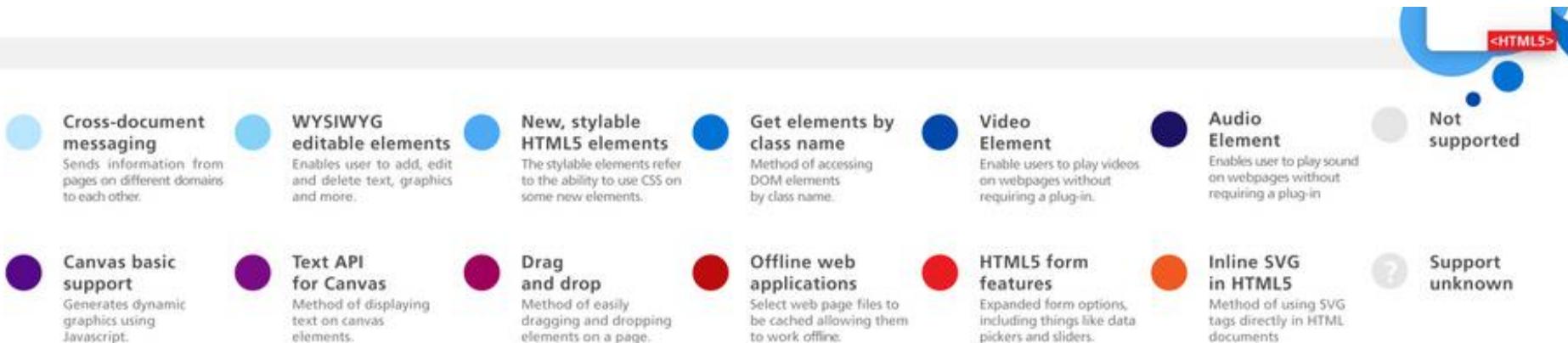
# Web Browsers

## WHERE IS HTML5 SUPPORTED?

Could you experience the HTML5's new features with your current browser?

Each browser has its own rules and characteristics that differ between versions and brands. And each one is adopting HTML5 at its own rate.

Find out how well each browser supports HTML5 features and how they will improve their support in the near future.



## HTML5 readiness



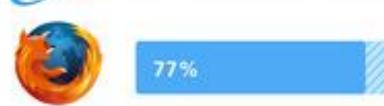
## Compatibility with HTML5's features - Current Status

Internet Explorer 8.0



## Future status

Internet Explorer 9.0



Firefox 3.6



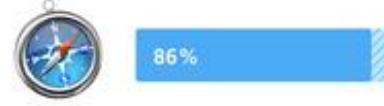
Firefox 4.0



Chrome 5.0



Chrome 6.0



Safari 4.0



Safari



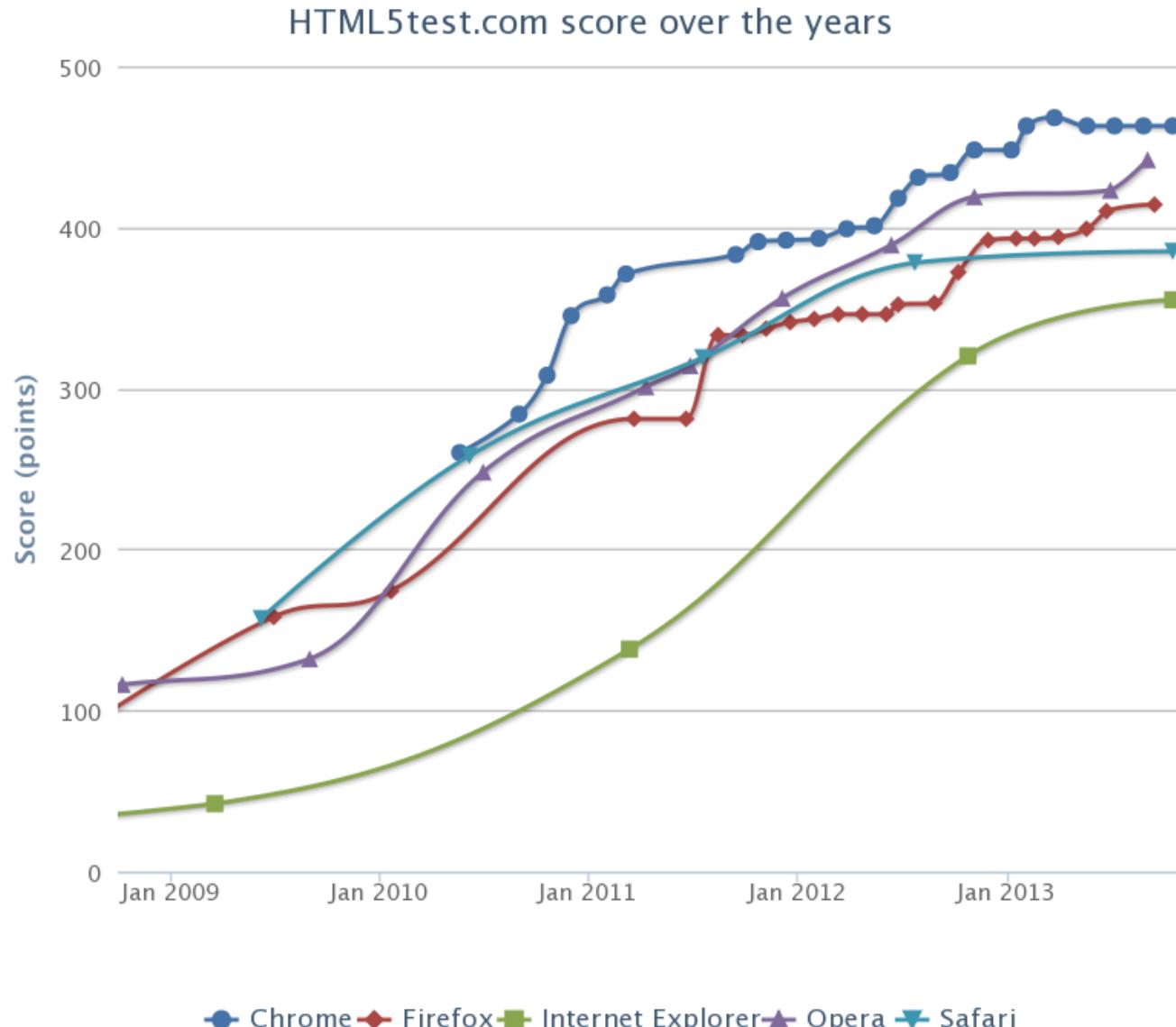
Opera 10.5



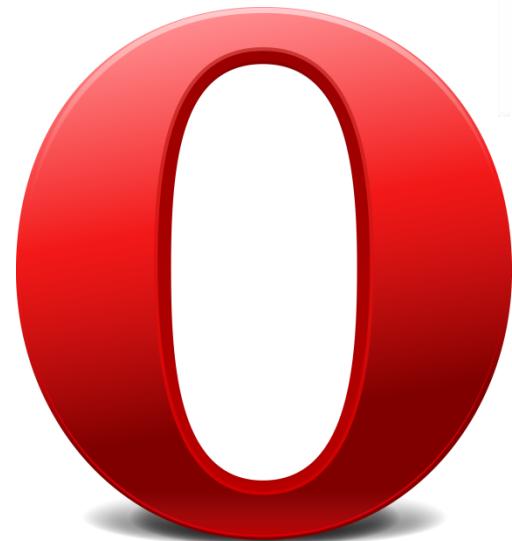
Opera



# Web Browsers (Cont.)



# 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>

# 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

# 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/>



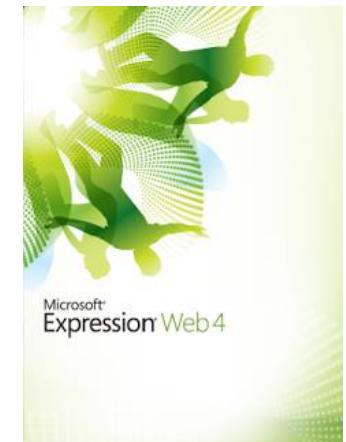
aptana®

- Microsoft Expression Web 4

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

- Eclipse

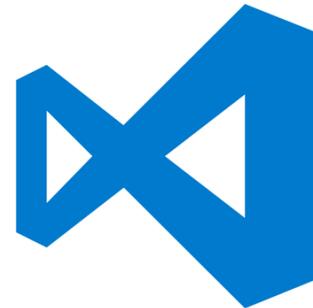
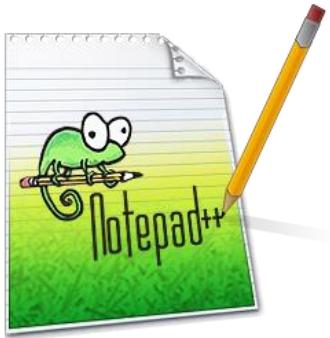
- <http://www.eclipse.org/>



- Google Web Designer

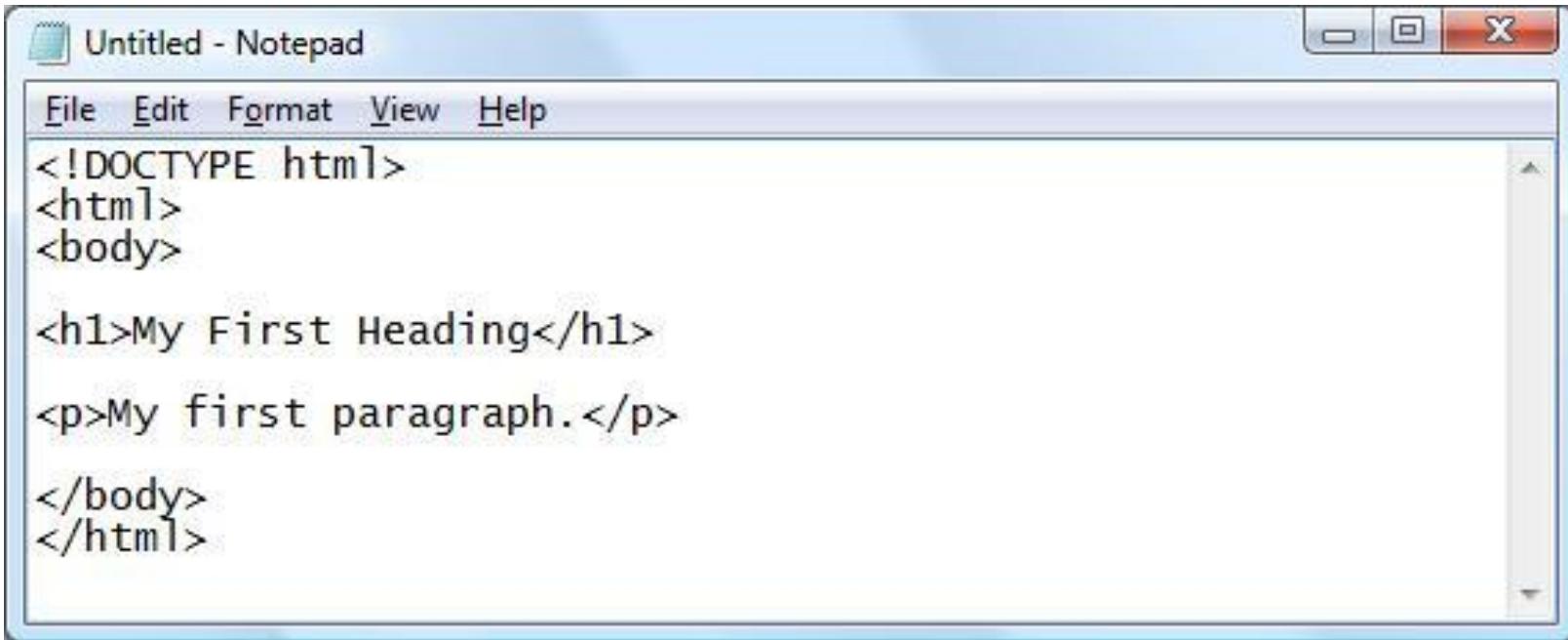
- <https://www.google.com/webdesigner/>

# Text Editors



# Text Editors (Cont.)

## ■ Notepad for Windows



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

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

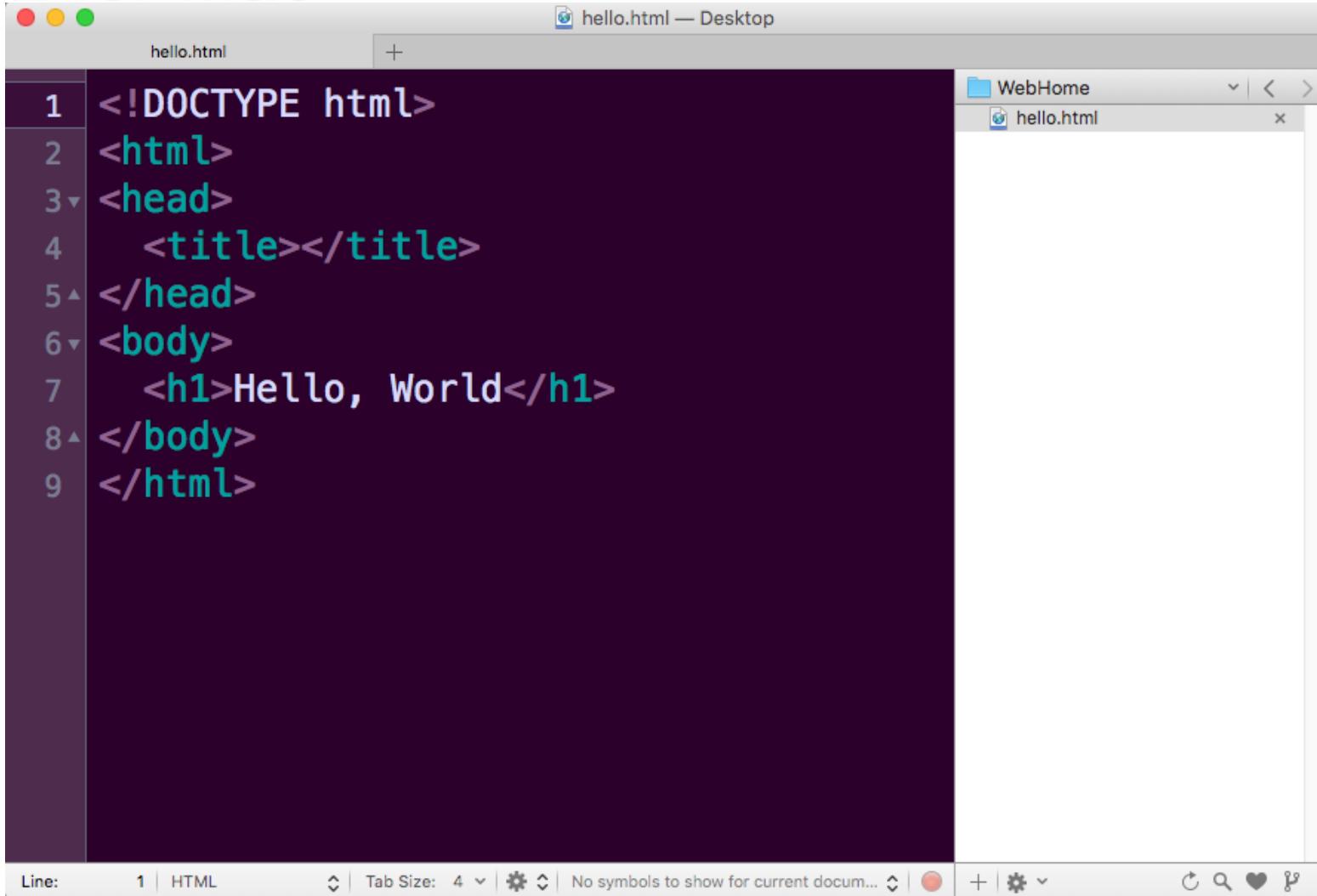
<h1>My First Heading</h1>

<p>My first paragraph.</p>

</body>
</html>
```

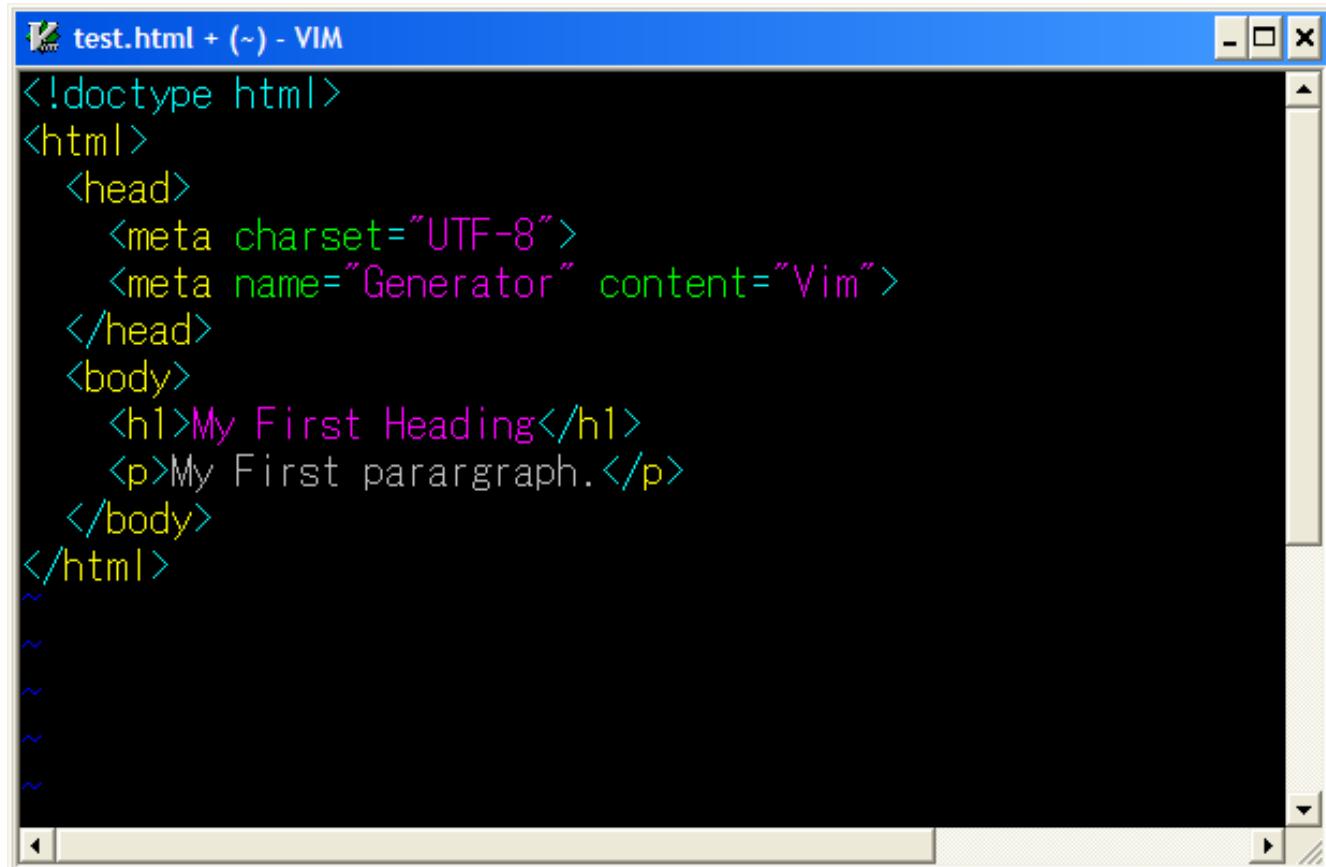
# Text Editors (Cont.)

## ■ TextMate 2 for Mac



# Text Editors (Cont.)

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



A screenshot of the Vim text editor window. The title bar reads "test.html + (~) - VIM". The main area displays the following HTML code:

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

The code is color-coded: blue for tags like <html>, <head>, <body>, <h1>, <p>, and <meta>; green for attributes like <meta charset="UTF-8"> and <meta name="Generator" content="Vim">; and purple for the content within the <p> tag.

# Text Editors (Cont.)



## ■ Editplus

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

The screenshot shows the EditPlus text editor interface. The main window displays the following HTML 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 editor has a toolbar at the top with various icons for file operations, text styling, and search. On the left, there's a directory tree showing 'C:\Program Files>EditPlus 3' and a file list with files like '949.chm', 'ansi.ctl', etc. The status bar at the bottom shows '줄 12 | 칸 8 | 12 | 00 | PC | UTF-8'.

# Text Editors (Cont.)

## ■ Notepad++ (recommendation)

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



A screenshot of the Notepad++ text editor interface. The title bar shows "C:\Temp\temp1.html - Notepad++". The menu bar includes File, Edit, Search, View, Encoding, Language, Settings, Macro, Run, Plugins, Window, and ?.

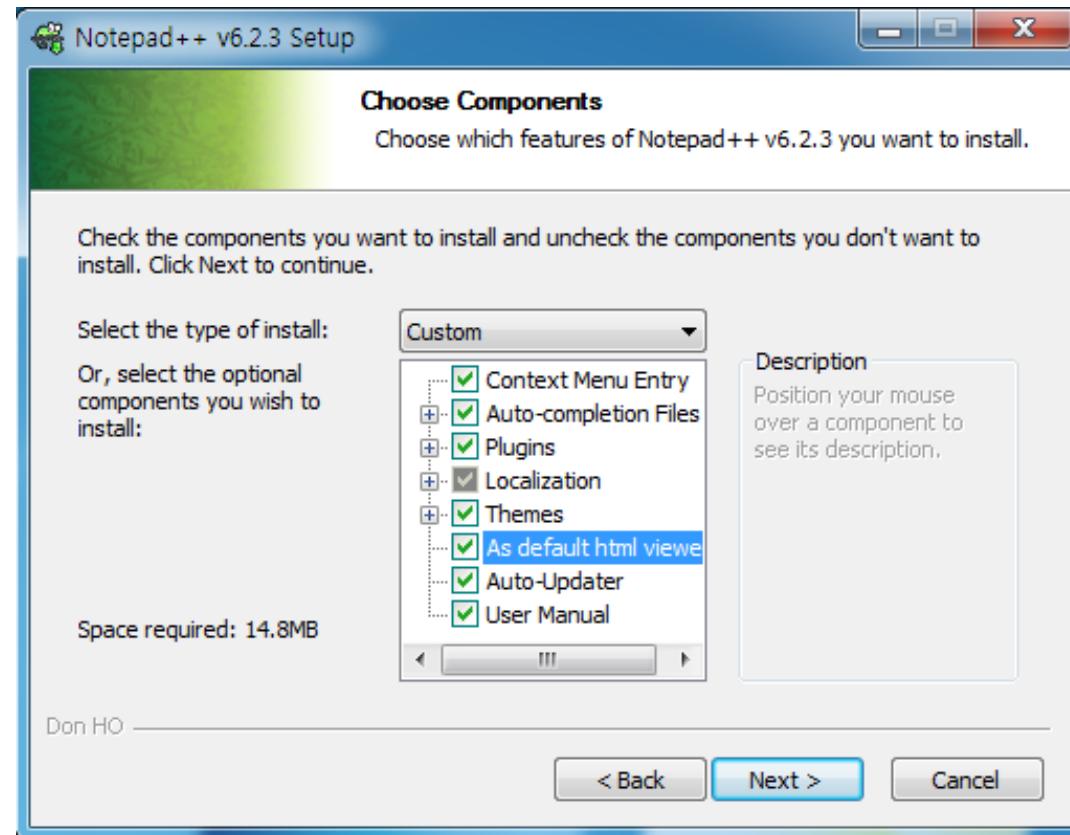
The main window displays the following HTML code:

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

The code uses color-coded syntax highlighting: blue for tags like <html>, red for attributes like charset, and black for text content. Line numbers 1 through 15 are visible on the left. The status bar at the bottom shows "length : 219 lines : 15 Ln : 10 Col : 30 Sel : 0 | 0 Dos Windows UTF-8 INS".

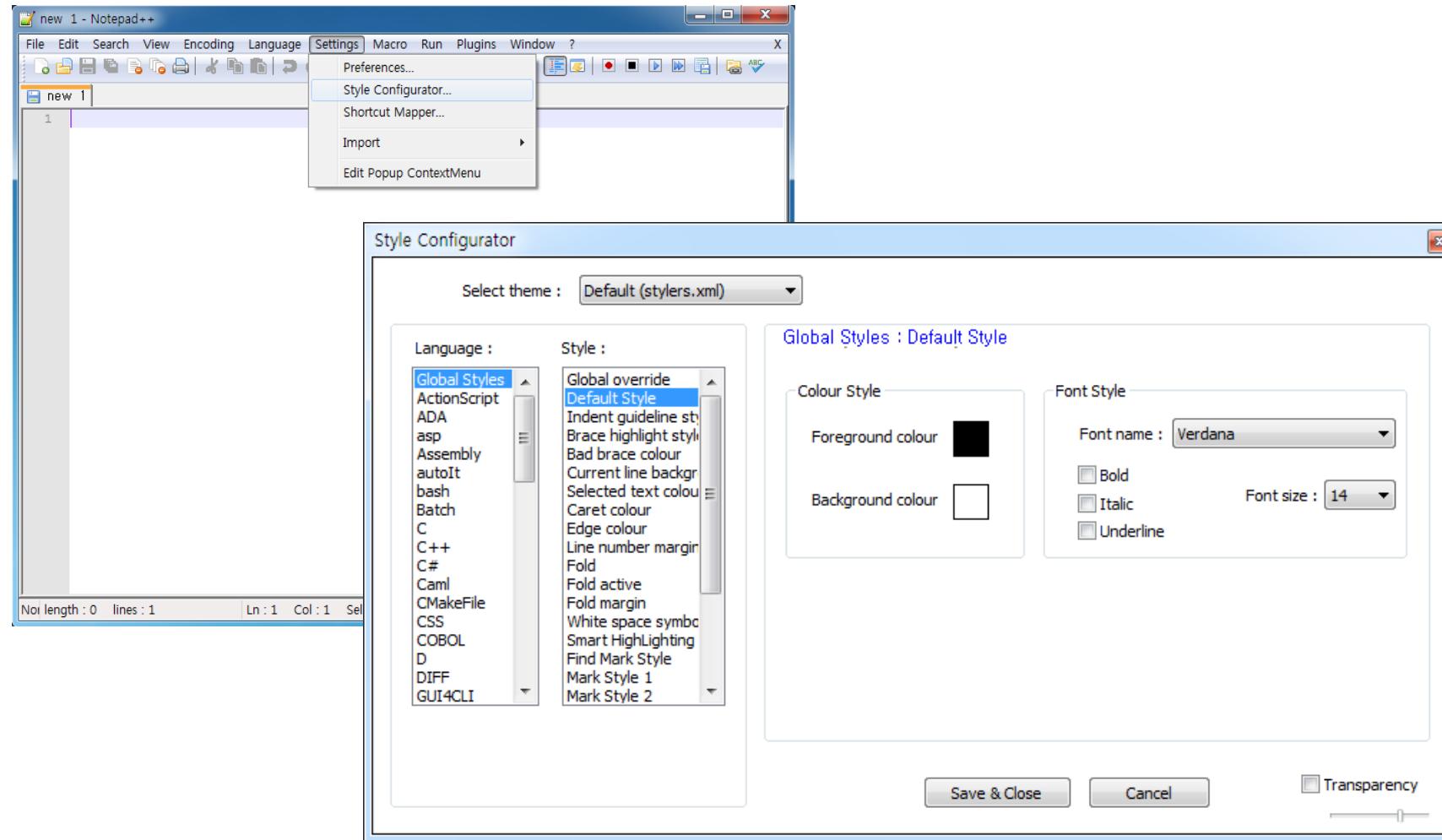
# Lab1 : Install & Configure Notepad++

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



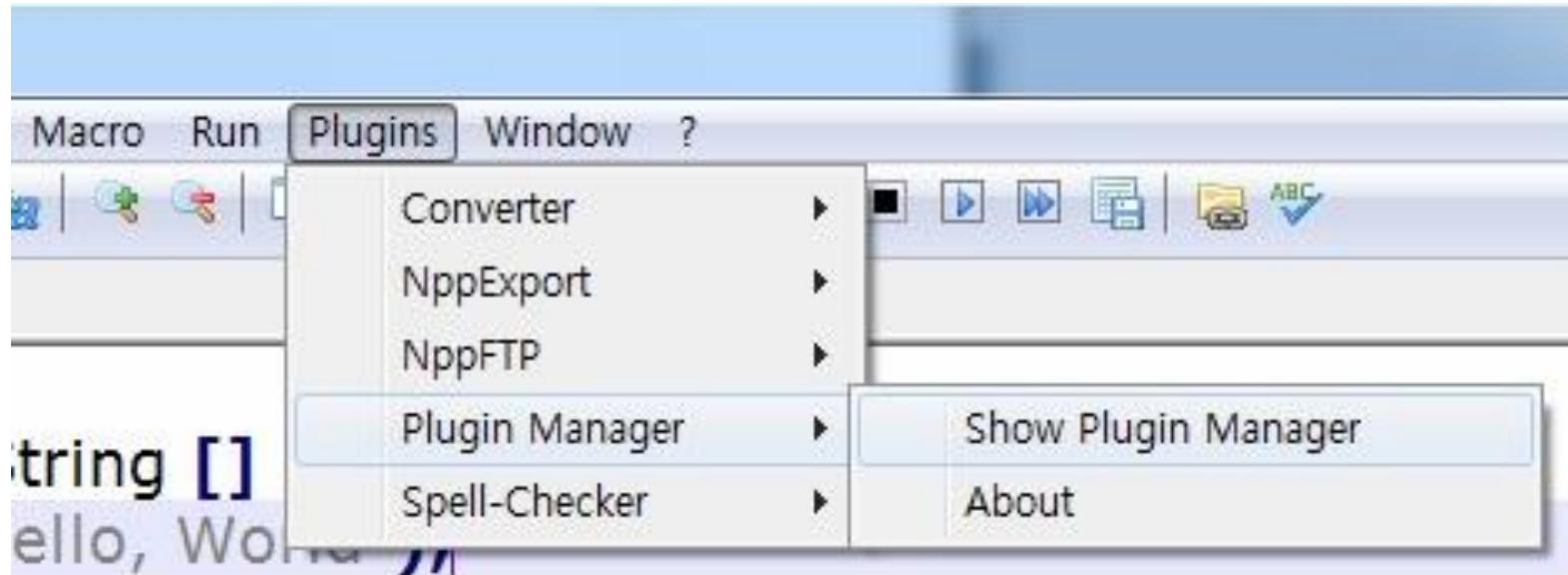
# Lab1 : Install & Configure Notepad++ (Cont.)

## 3. Configure Notepad++ Style.



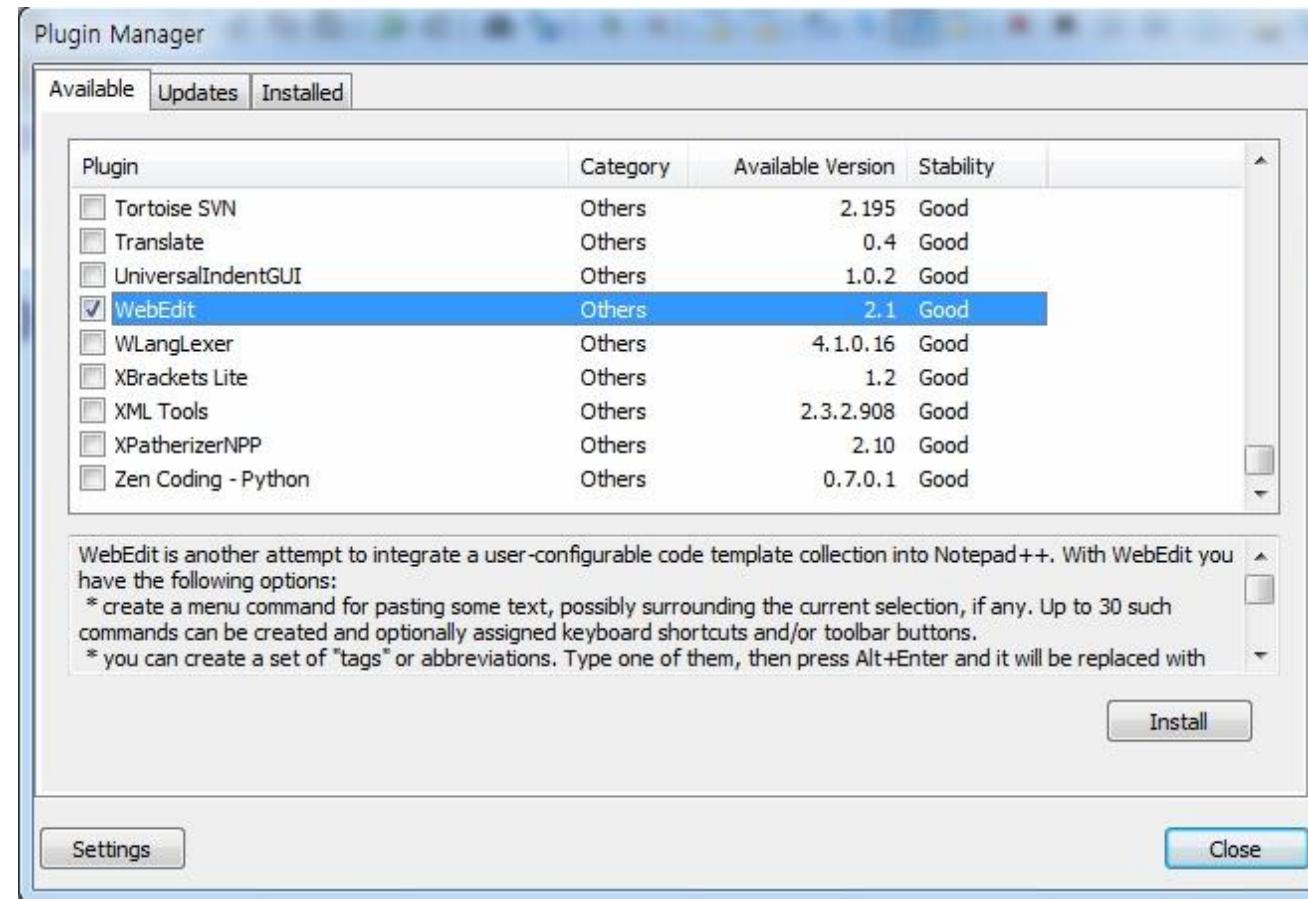
# Lab1 : Install & Configure Notepad++ (Cont.)

## 4. Configure Notepad++ Plugins

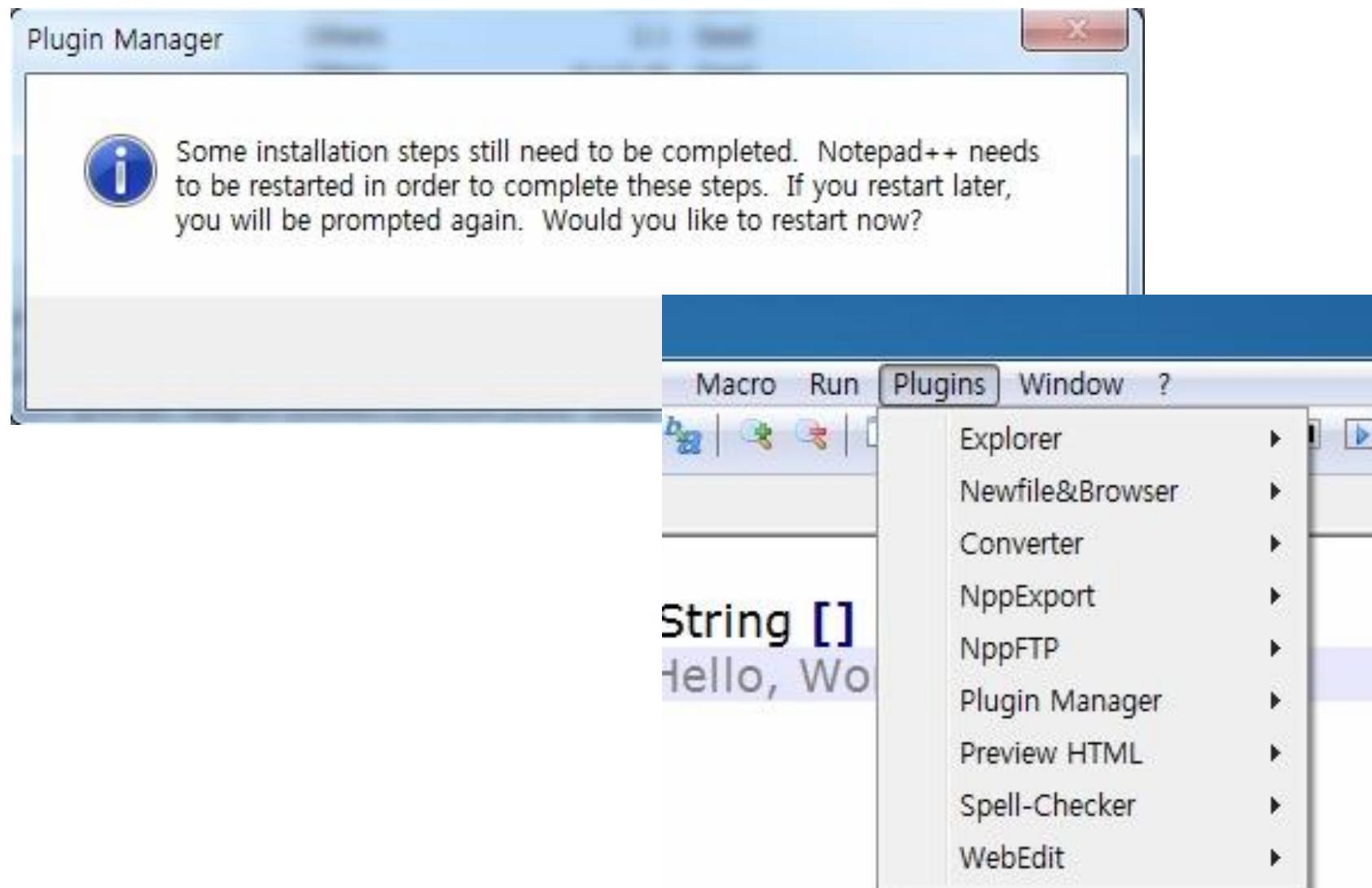


# Lab1 : Install & Configure Notepad++ (Cont.)

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

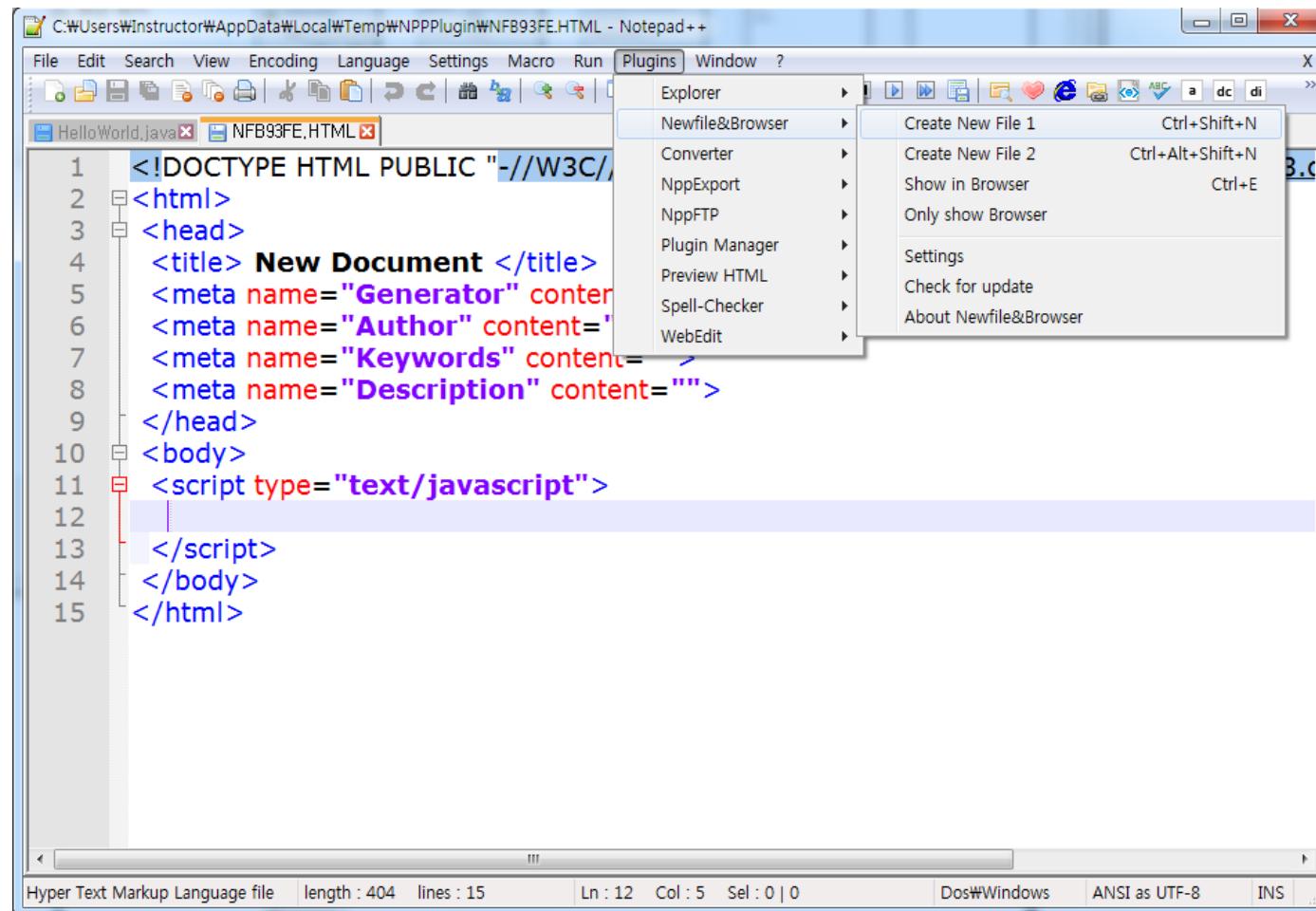


# Lab1 : Install & Configure Notepad++ (Cont.)



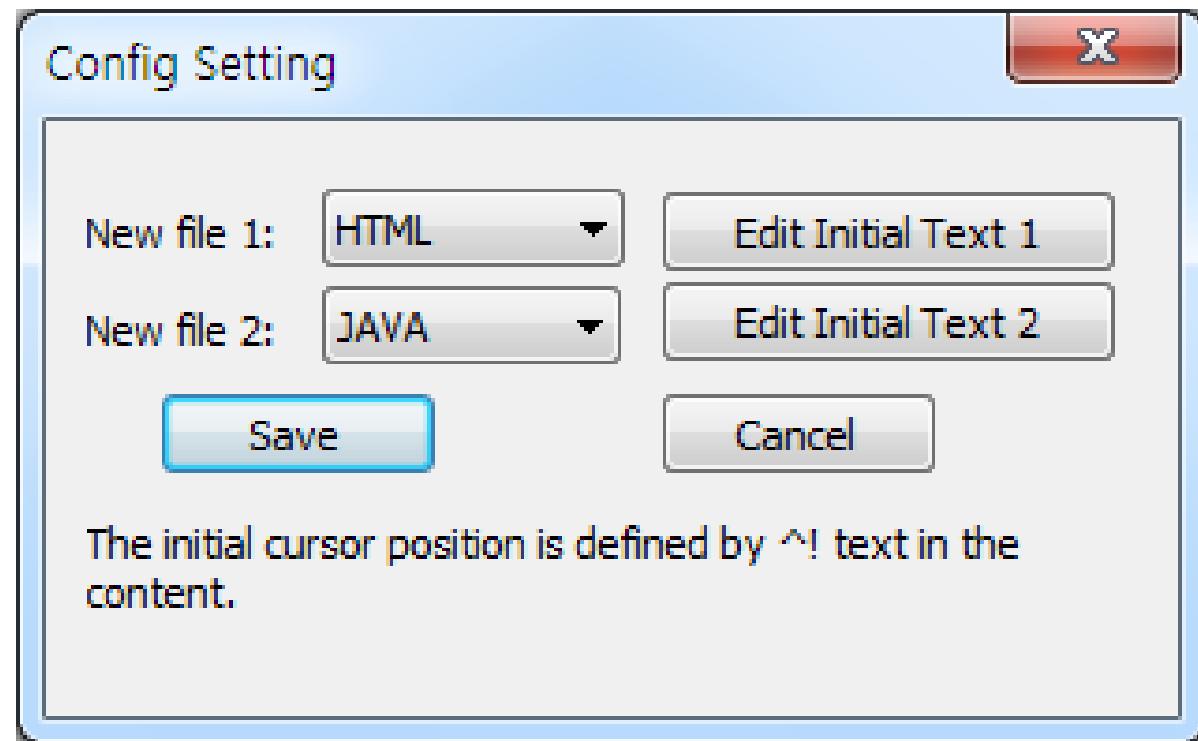
# Lab1 : Install & Configure Notepad++ (Cont.)

## 6. Configure [Newfile&Browser] Plugin.



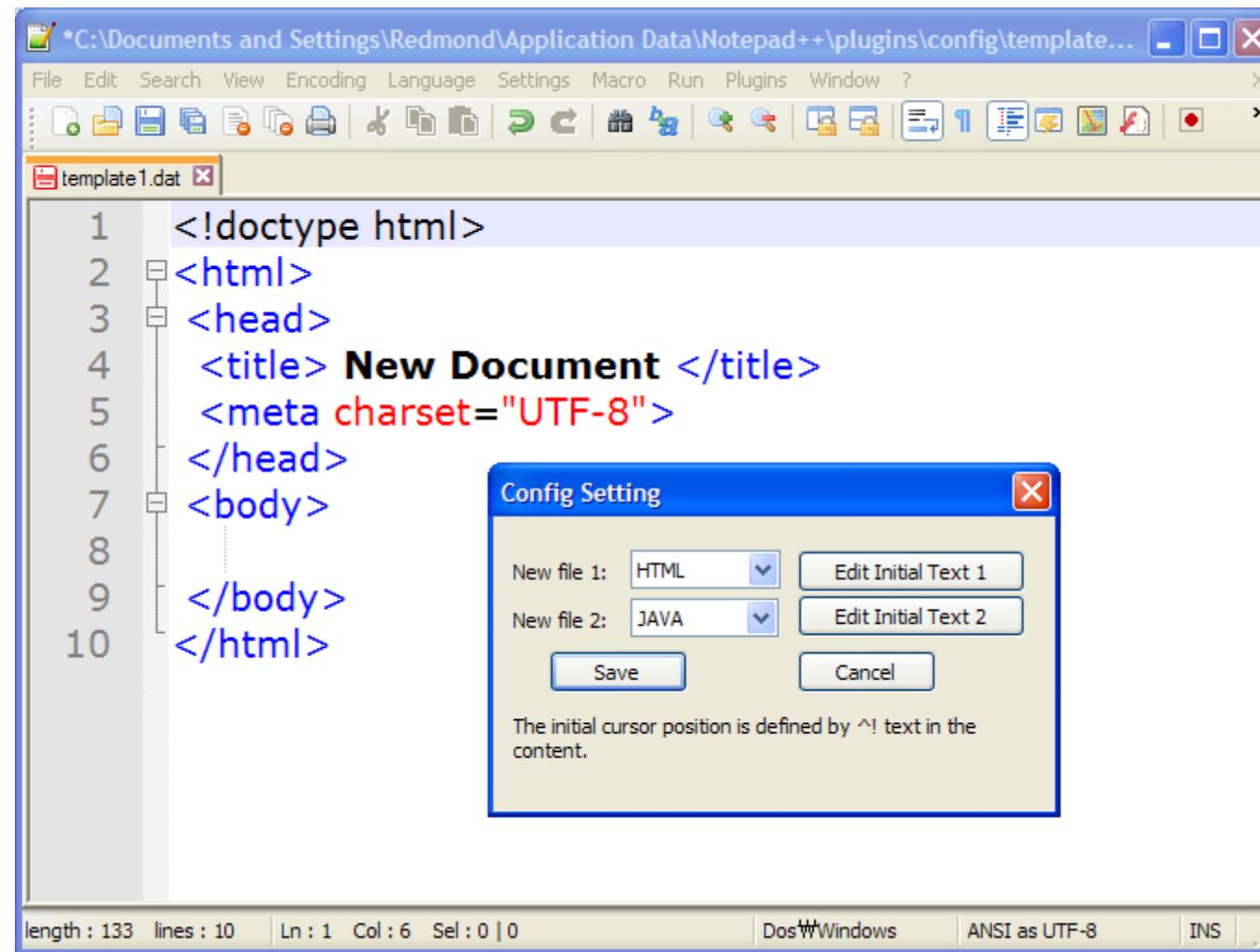
# Lab1 : Install & Configure Notepad++ (Cont.)

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/>
- httpd-2.x.x.tar.bz2 or http-2.x.x.tar.gz for Linux
- httpd-2.x.x.win32-x86-no\_ssl.msi 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\Apache2.2\

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



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

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

```
34 #
35 ServerRoot "C:/Program Files/Apache Software Foundation/Apache2.2"
36
37 #
38 # Listen: Allows you to bind Apache to specific IP addresses and/or
39 # ports, instead of the default. See also the <VirtualHost>
40 # directive.
41 #
42 # Change this to Listen on specific IP addresses as shown below to
43 # prevent Apache from glomming onto all bound IP addresses.
44 #
45 #Listen 12.34.56.78:80
46 Listen 80
47
```

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

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

```
162 #
163 ServerAdmin admin@javaexpert.co.kr
164
165 #
166 # ServerName gives the name and port that the server uses to identify itself.
167 # This can often be determined automatically, but we recommend you specify
168 # it explicitly to prevent problems during startup.
169 #
170 # If your host doesn't have a registered DNS name, enter its IP address here.
171 #
▶172 ServerName localhost:80
173
178 #
179 #DocumentRoot "C:/Program Files/Apache Software Foundation/Apache2.2/htdocs"
▶180 DocumentRoot "C:/WebHome"
181
```

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

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

```
189 #
190 <Directory />
191     Options FollowSymLinks
192     AllowOverride None
193     Order deny,allow
194 #   Deny from all
195     Allow from all
196 </Directory>
197

207 #
208 #<Directory "C:/Program Files/Apache Software Foundation/Apache2.2/htdocs">
209 <Directory "C:/WebHome">
210 #
242 #
243 <IfModule dir_module>
244     DirectoryIndex index.html
245 </IfModule>
246
```

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

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

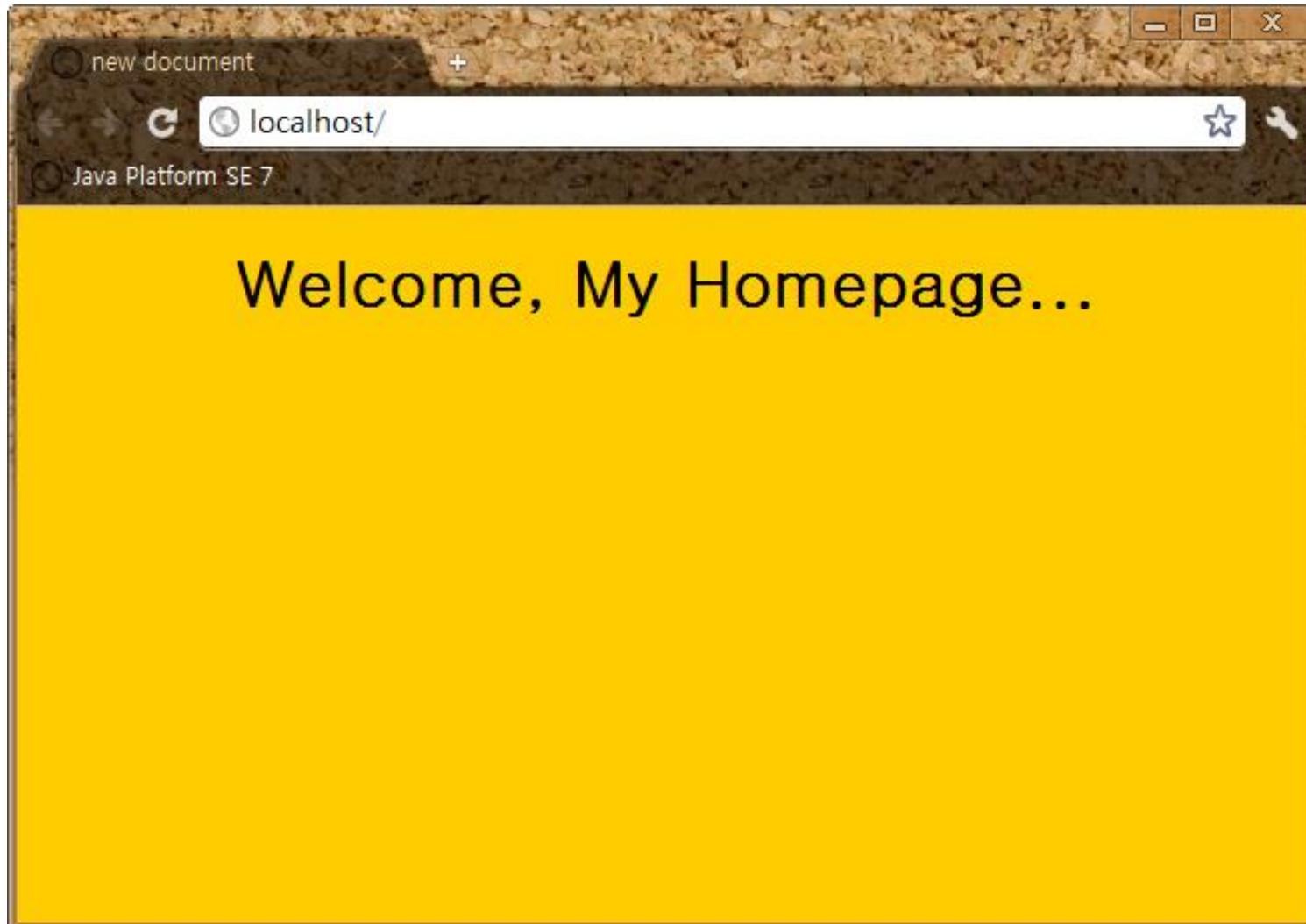
```
C:\ 관리자: 명령 프롬프트
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Windows\system32>net stop Apache2.2
Apache2.2 서비스를 멈춥니다..
Apache2.2 서비스를 잘 멈추었습니다.

C:\Windows\system32>net start Apache2.2
Apache2.2 서비스를 시작합니다..
Apache2.2 서비스가 잘 시작되었습니다.

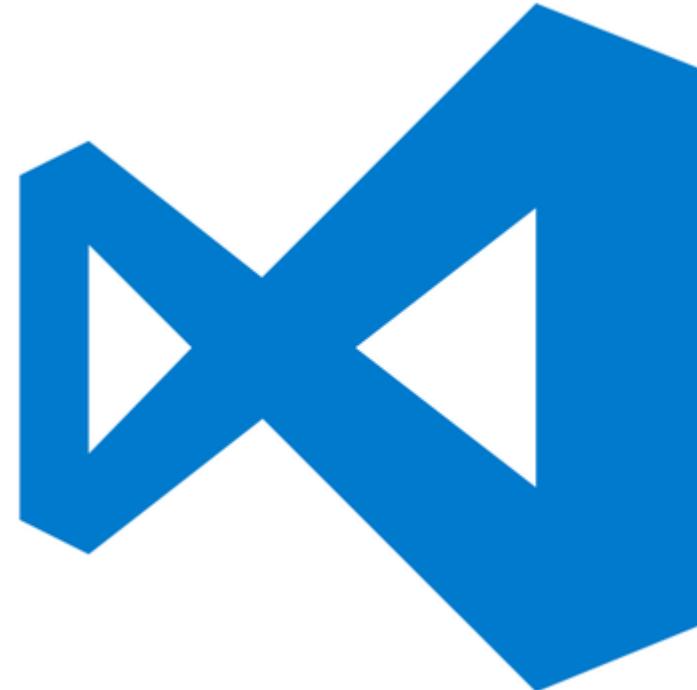
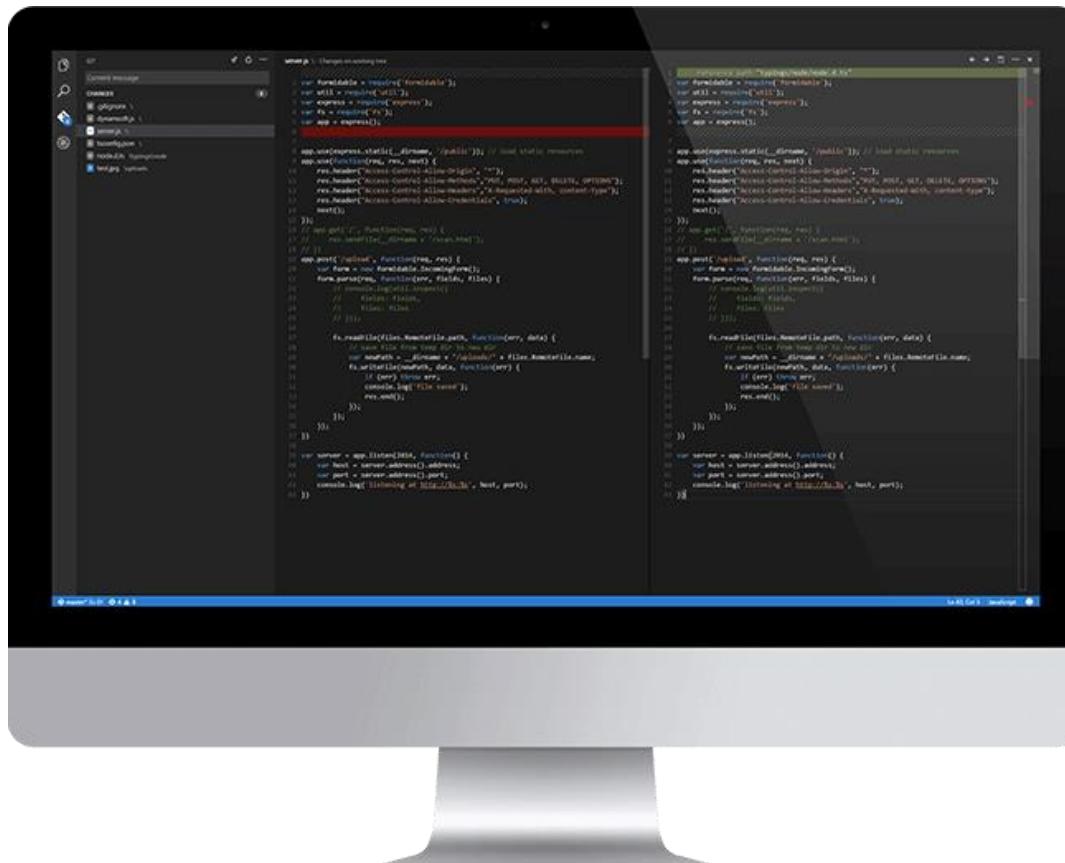
C:\Windows\system32>
```

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



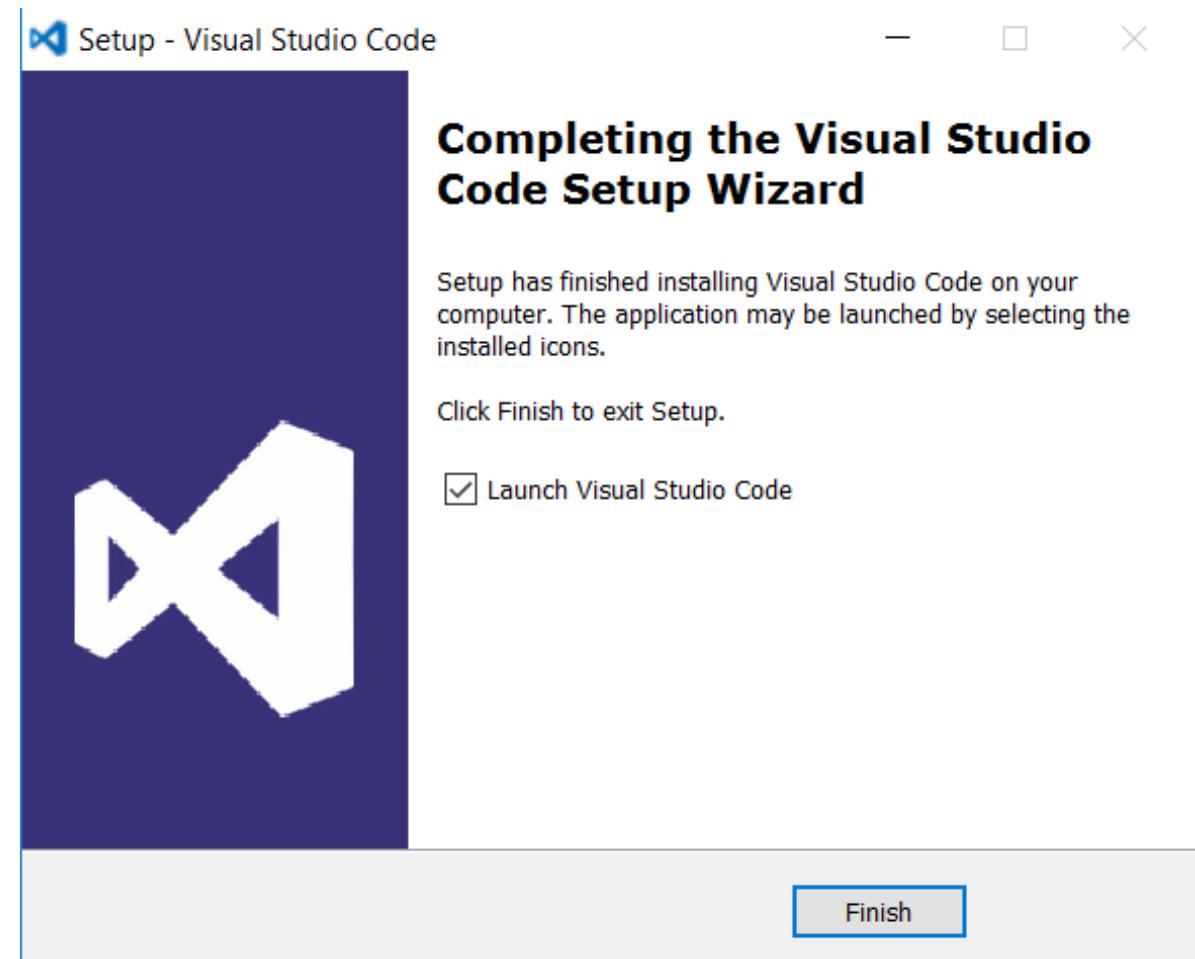
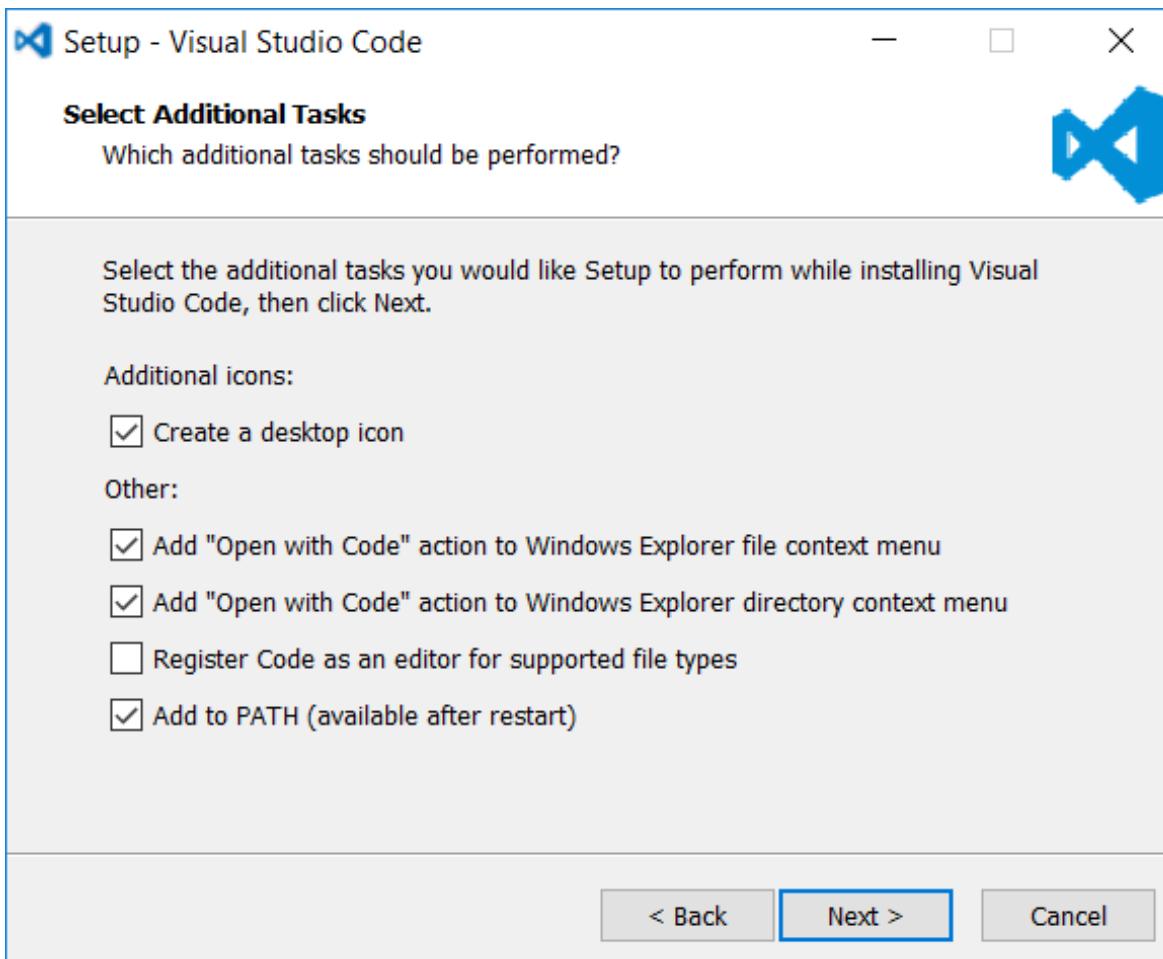
# Lab3 : Visual Studio Code Installation and Configuration

1. Visit <https://www.visualstudio.com/>
2. Downloads Visual Studio Code for Windows

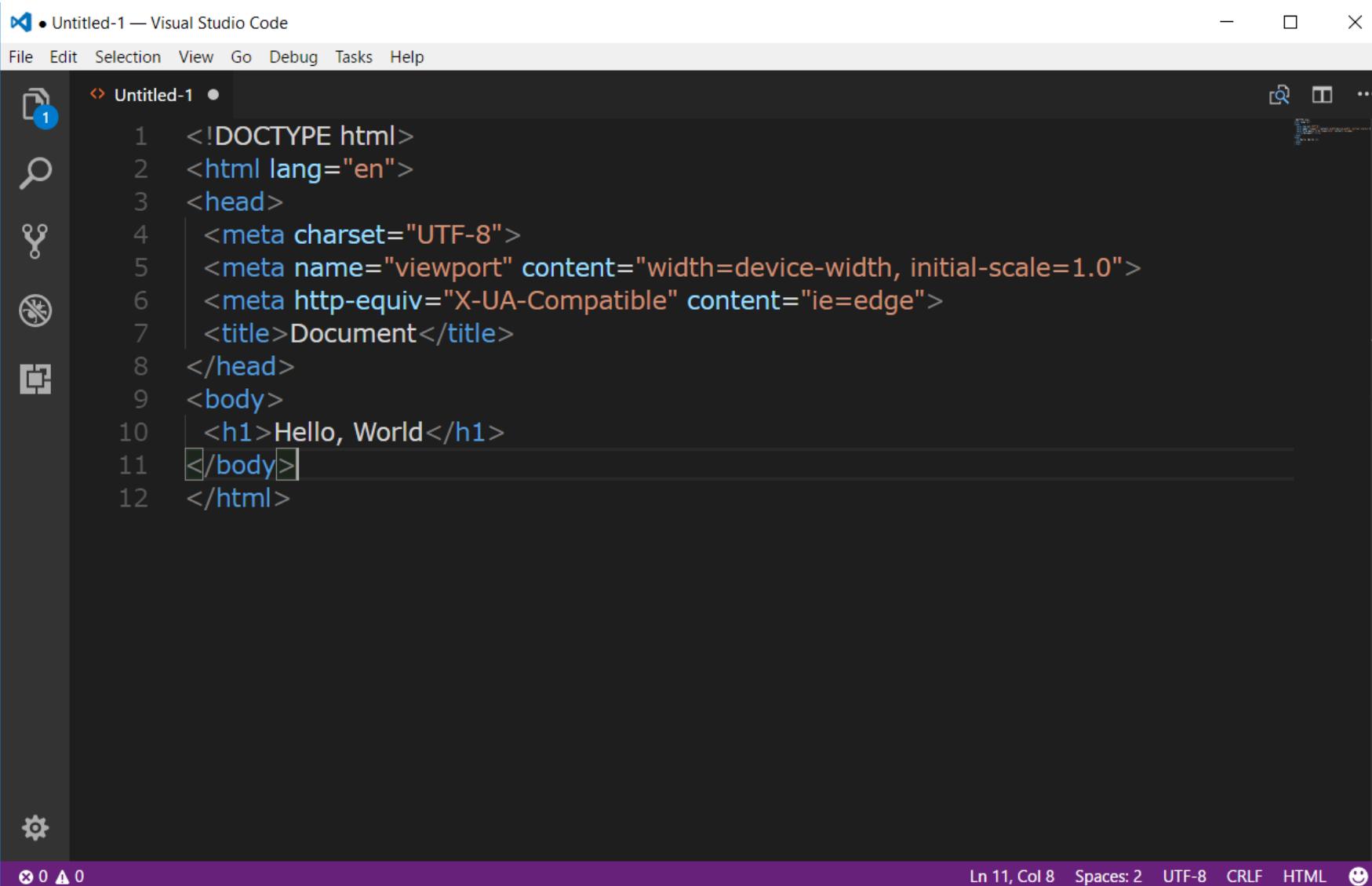


# Lab3 : Visual Studio Code Installation and Configuration (Cont.)

## 3. Install Visual Studio Code.



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



A screenshot of the Visual Studio Code interface. The title bar reads "Untitled-1 — Visual Studio Code". The menu bar includes File, Edit, Selection, View, Go, Debug, Tasks, and Help. The left sidebar has icons for file operations, search, and other tools. The main editor area displays the following HTML code:

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <meta http-equiv="X-UA-Compatible" content="ie=edge">
7   <title>Document</title>
8 </head>
9 <body>
10  <h1>Hello, World</h1>
11  </body>
12 </html>
```

The status bar at the bottom shows "Ln 11, Col 8" and "Spaces: 2" and "CRLF" and "HTML". There is also a smiley face icon.

# **Lab4 : Import Source Code from Github using Eclipse, Visual Studio Code and SublimeText3**

# Lab5 : Register Free Web Hosting

The screenshot shows a web browser window for the DOTHOME website (<https://www.dothome.co.kr/index.php>). The page displays a grid of service categories. A red box highlights the '무제한 웹호스팅' (Unlimited Web Hosting) row, specifically the '무료 호스팅' (Free Hosting) option under the 'Web Hosting' column.

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			

A button labeled '자세히보기' (View details) is visible on the left side of the page. The background of the screenshot shows a person's hand resting on a laptop keyboard.

# Lab6 : Transfer file to MyHomepage with FTP Tool

