Configuration for Lab.

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
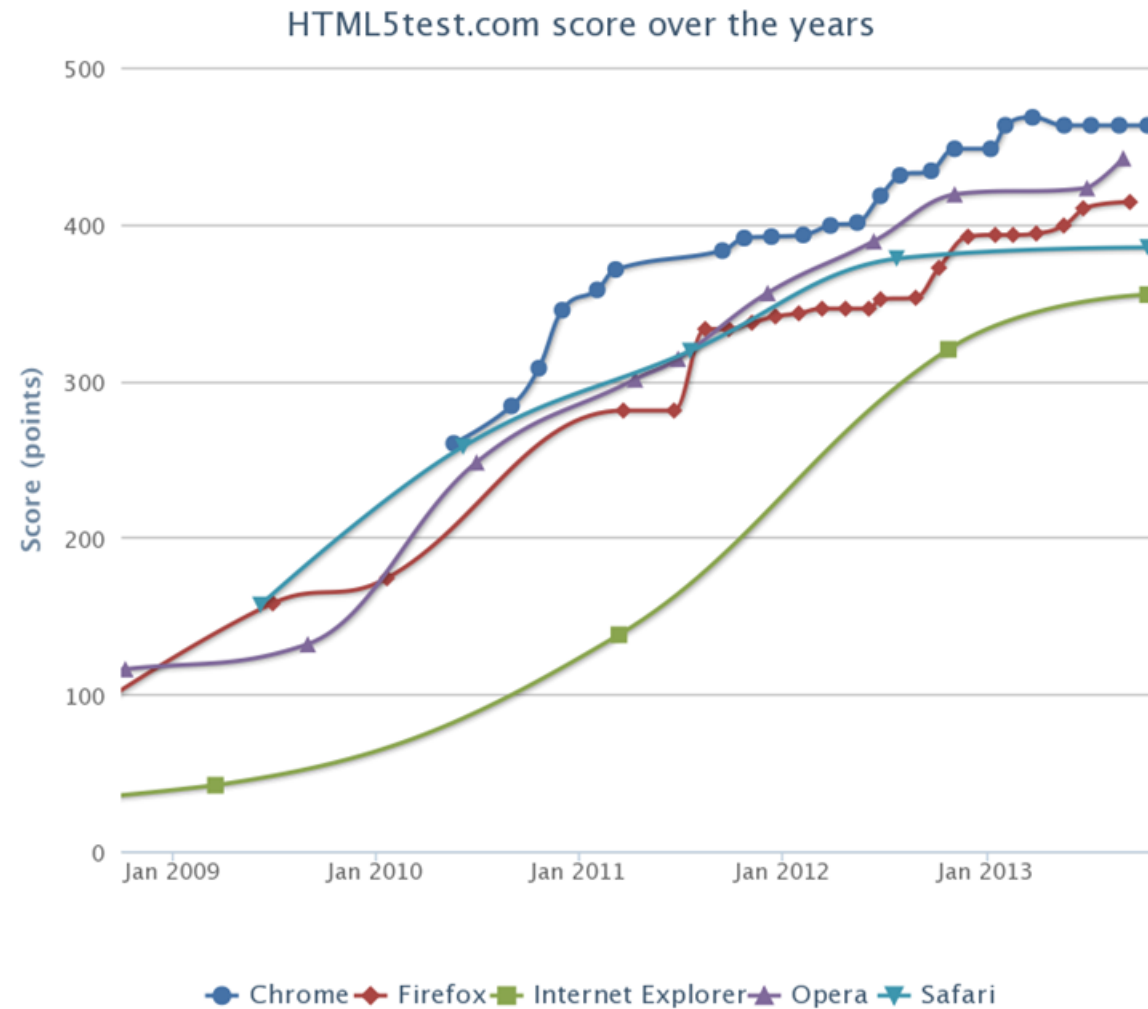 - Apache Web Server, Nginx, Internet Information Server
- Web Browsers
  - Edge, Firefox 24+, Opera 16+, Google Chrome 29+, Safari 6.0+
- Text Editor
- HTML Editors(option)

Web Browsers (Cont.)

HTML5test.com score over the years

Refer to http://HTML5test.com

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
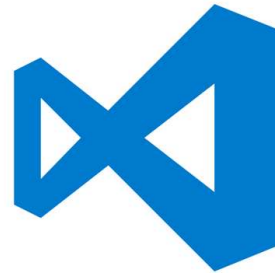
Text Editors (Cont.)

- Notepad for Windows
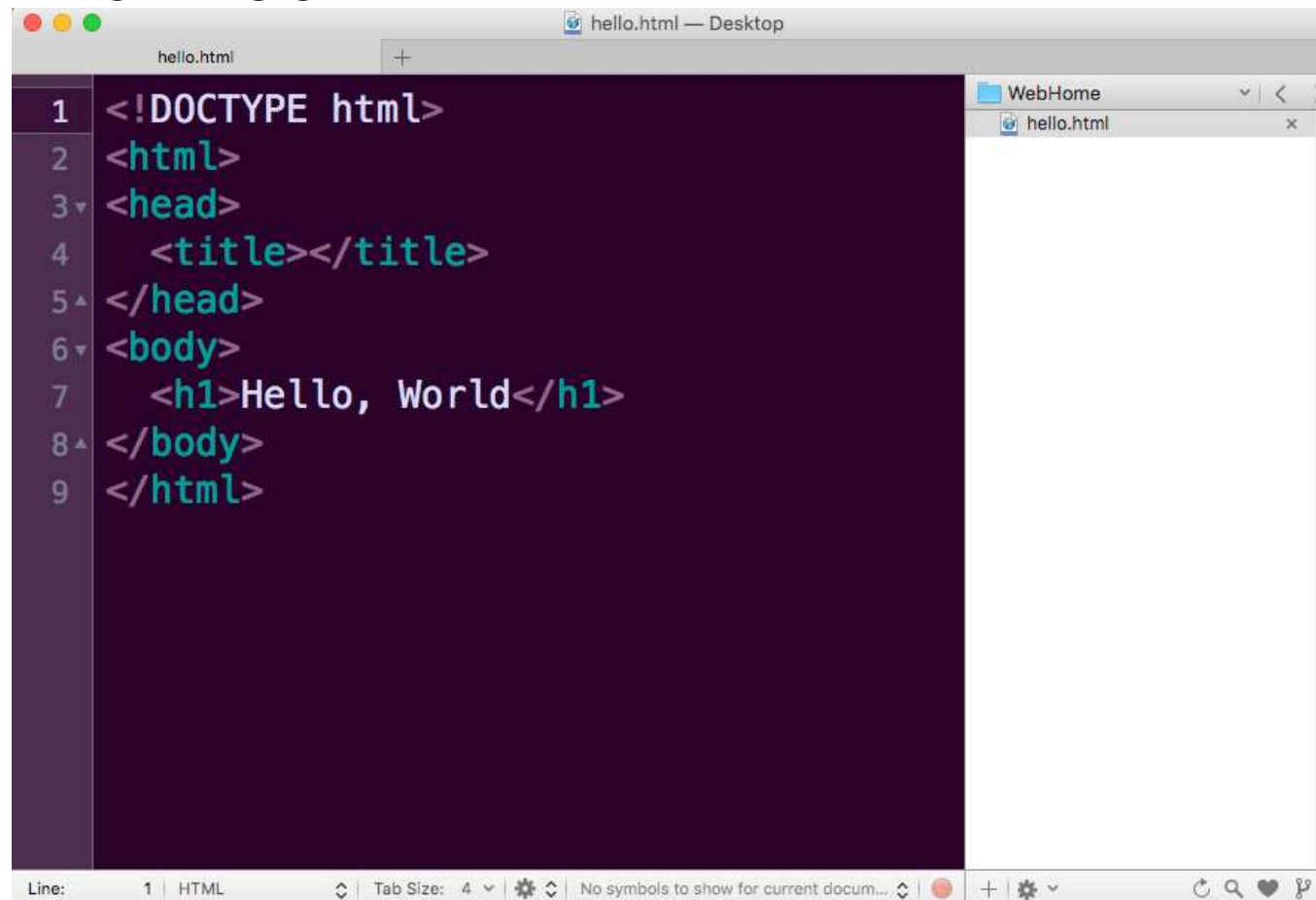

```
Untitled - Notepad

File  Edit  Format  View  Help
<!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/

Text Editors (Cont.)

- ## Editplus
  - http://www.editplus.com

Text Editors (Cont.)

- Notepad++ (recommendation)
  - http://notepad-plus-plus.org/

Lab1 : Install & Configure Notepad++

1. Download from http://notepad-plus.org
2. Installation Notepad++
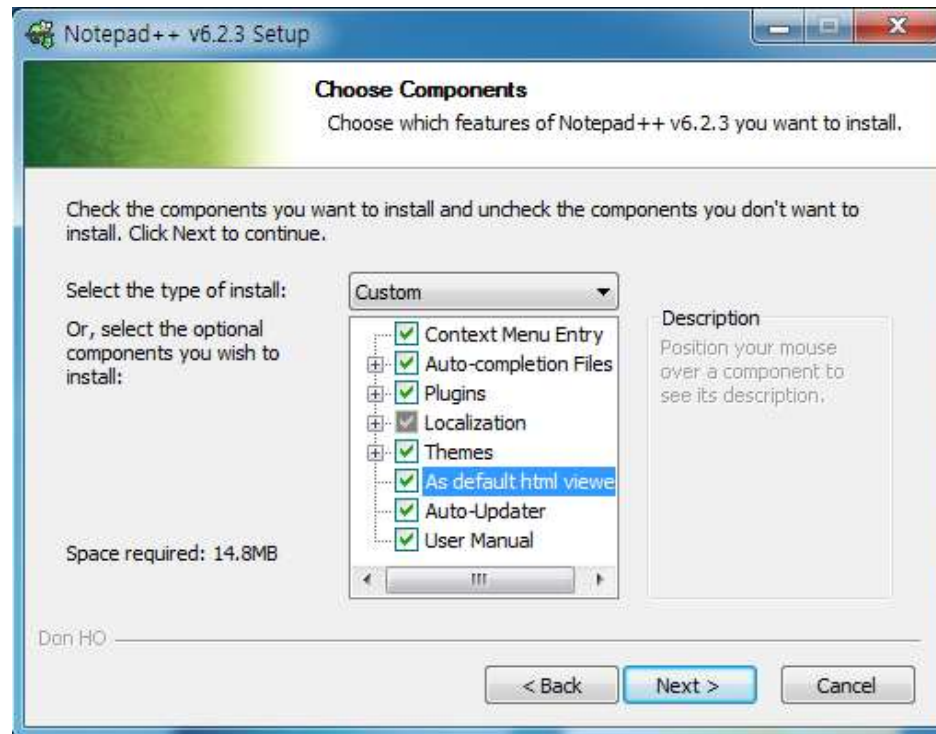
Lab1 : Install & Configure Notepad++ (Cont.)

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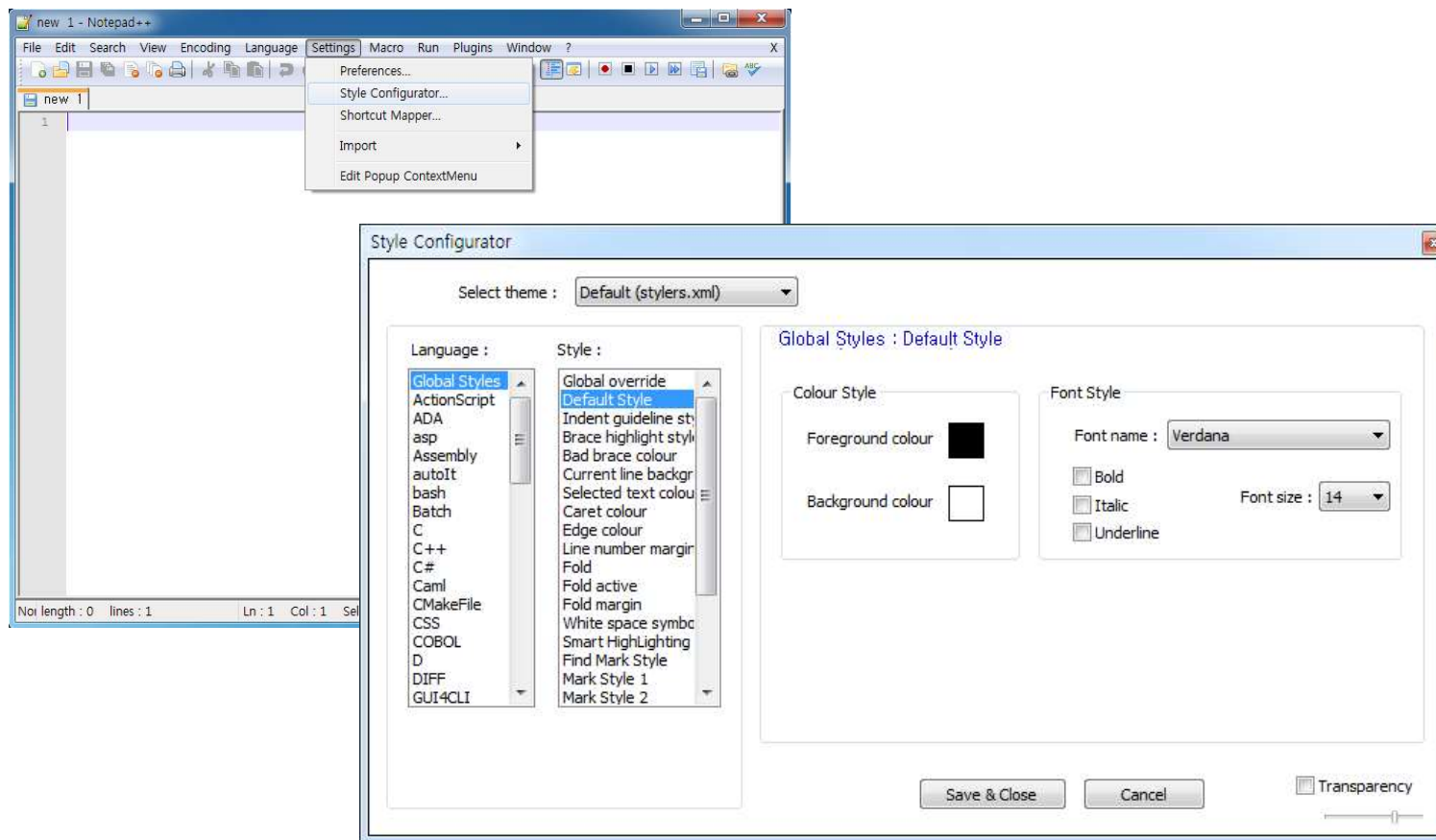
Lab1 : Install & Configure Notepad++ (Cont.)

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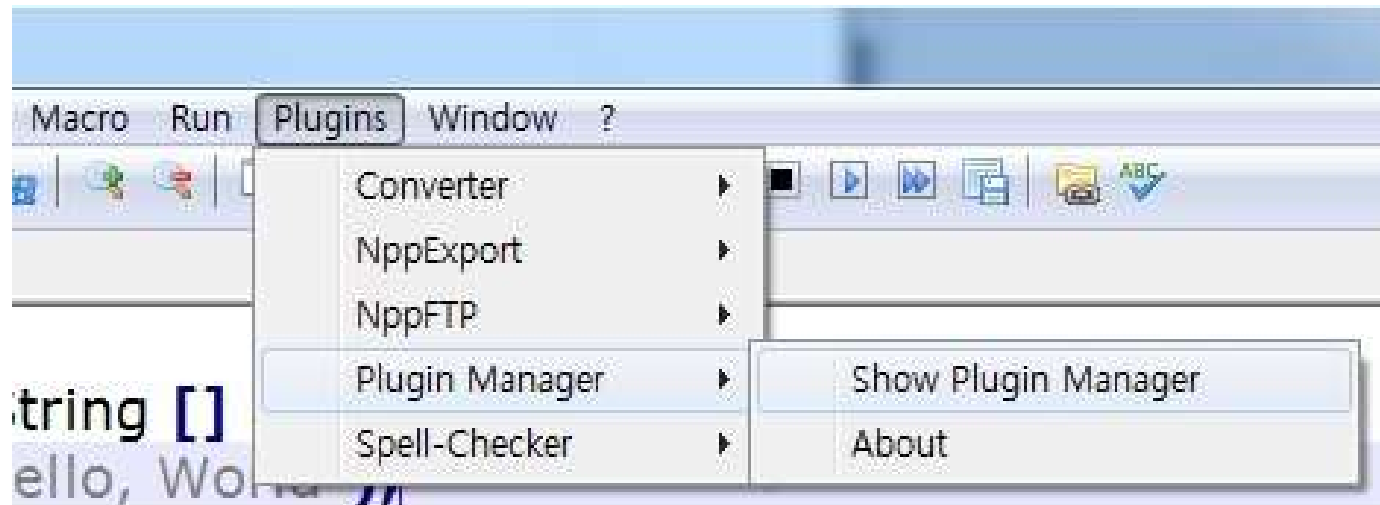
Lab1 : Install & Configure Notepad++ (Cont.)

5. Install [Explorer],[NewFileBrowser],[Preview HTML], [WebEdit]
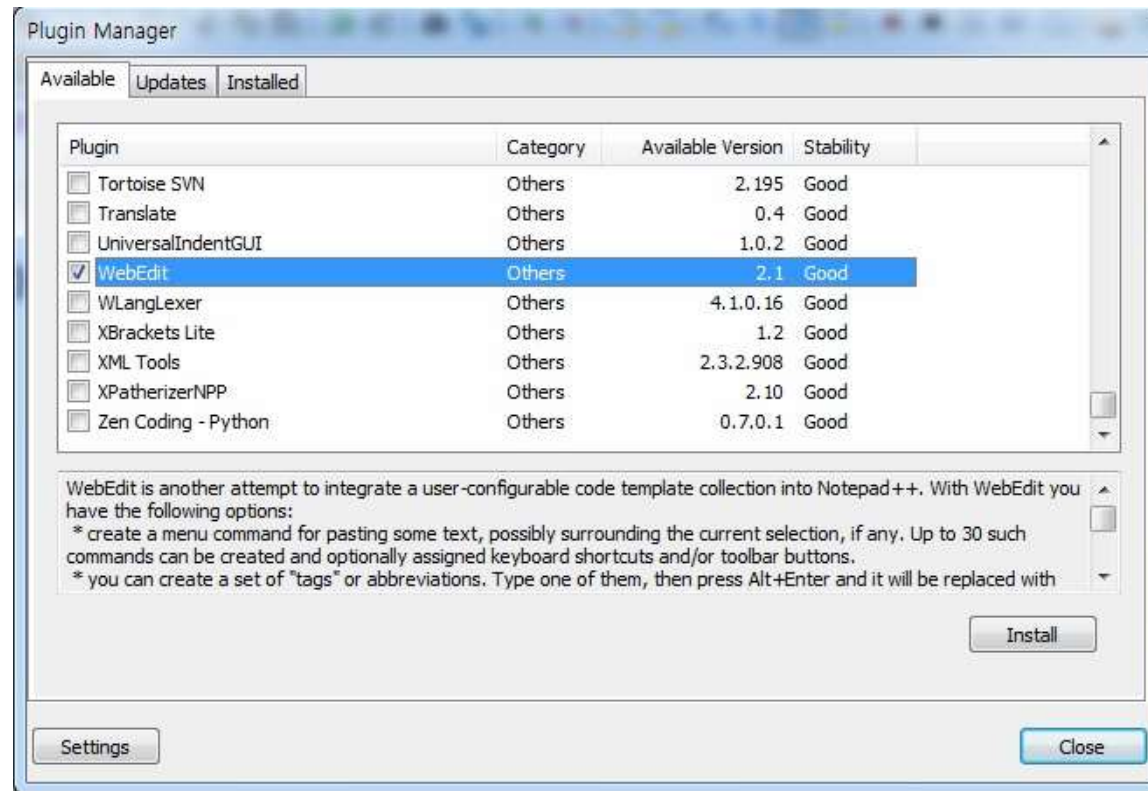
Lab1 : Install & Configure Notepad++ (Cont.)
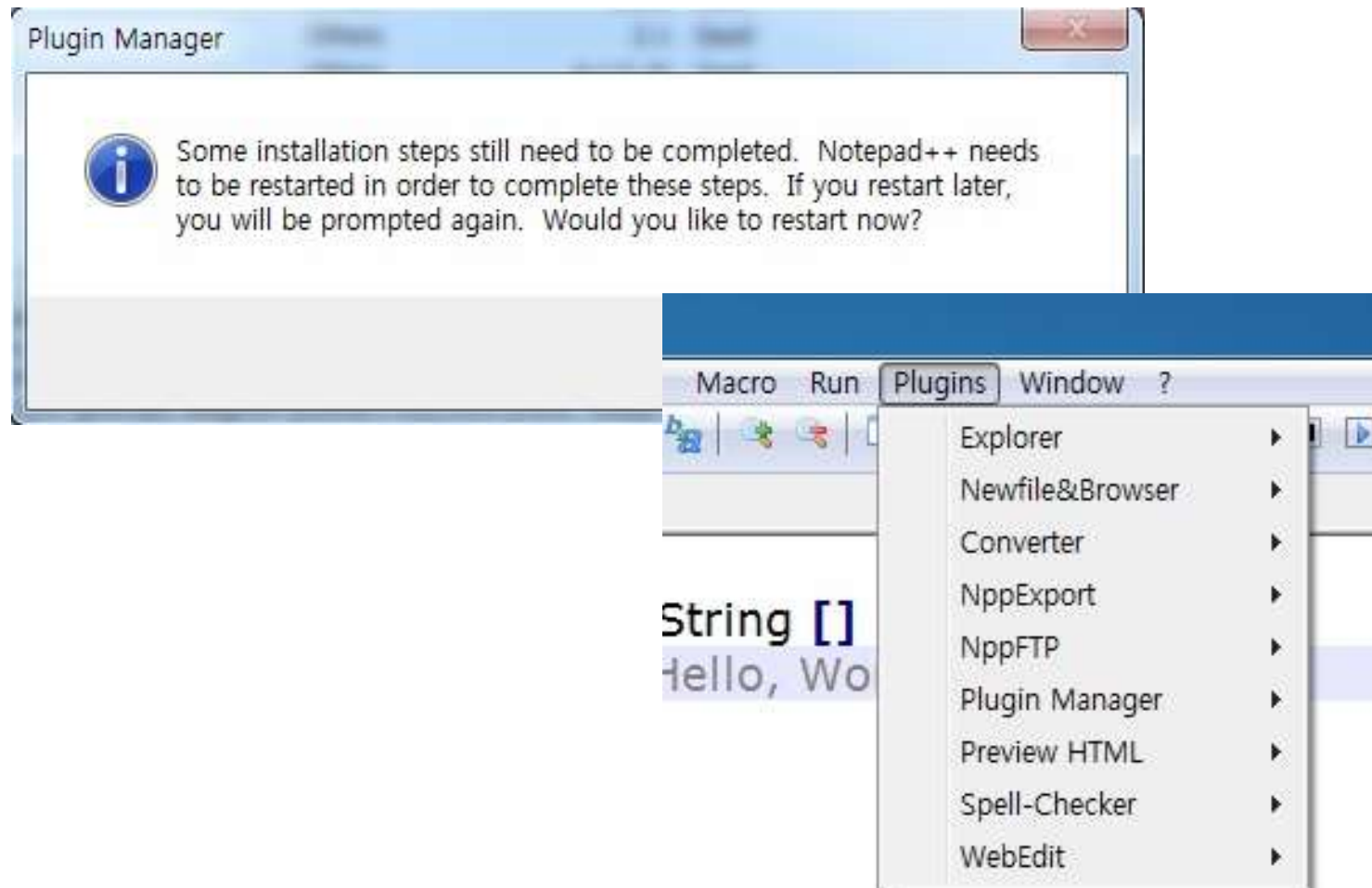
Lab1 : Install & Configure Notepad++ (Cont.)

6. Configure [Newfile&Browser] Plugin.
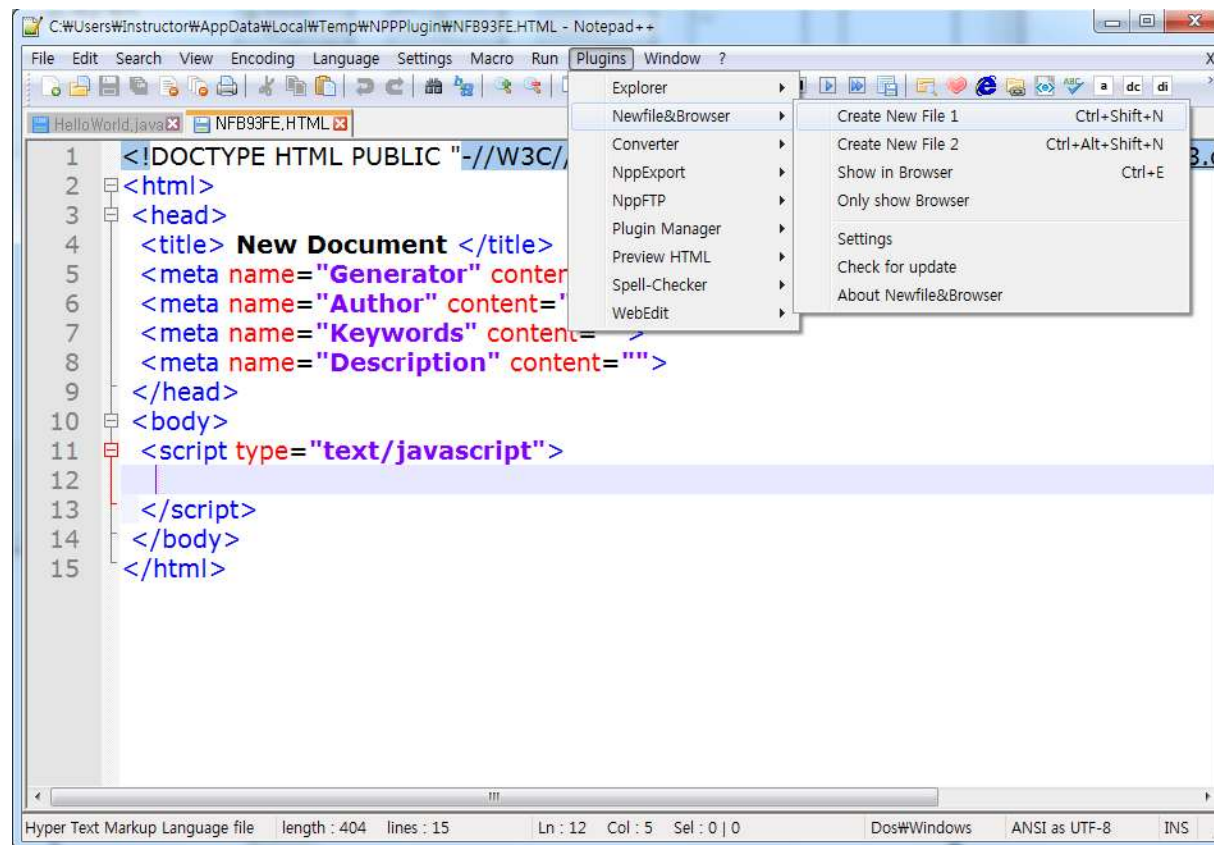
Lab1 : Install & Configure Notepad++ (Cont.)

7. Click to [Plugins] → [Newfile&Browser] → [Settings]
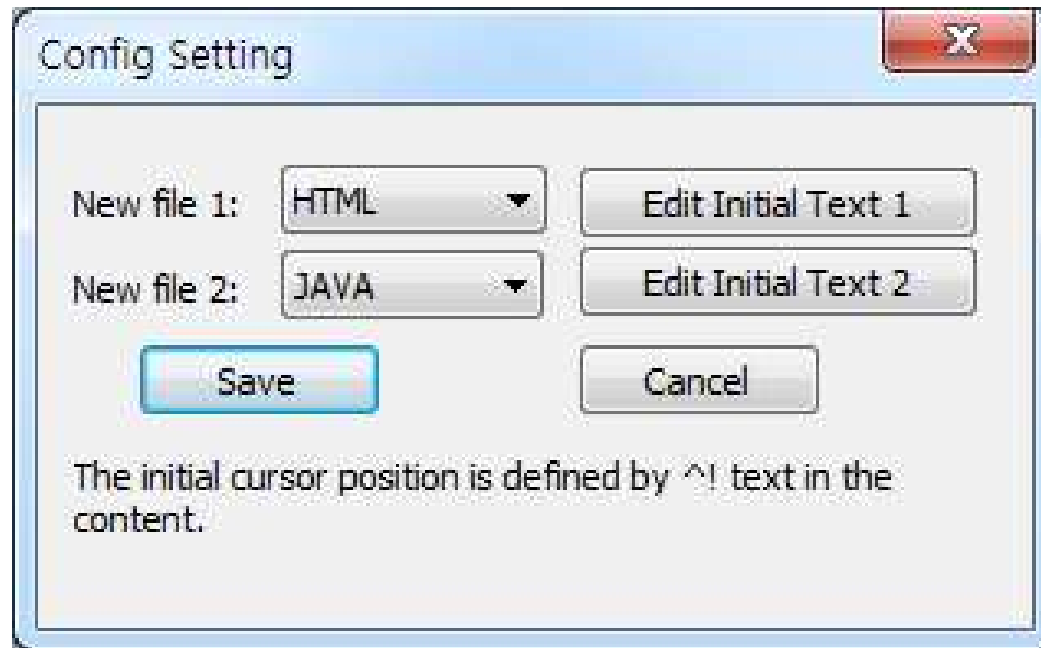
Lab1 : Install & Configure Notepad++ (Cont.)

8. Edit to [New file 1:] & Save.
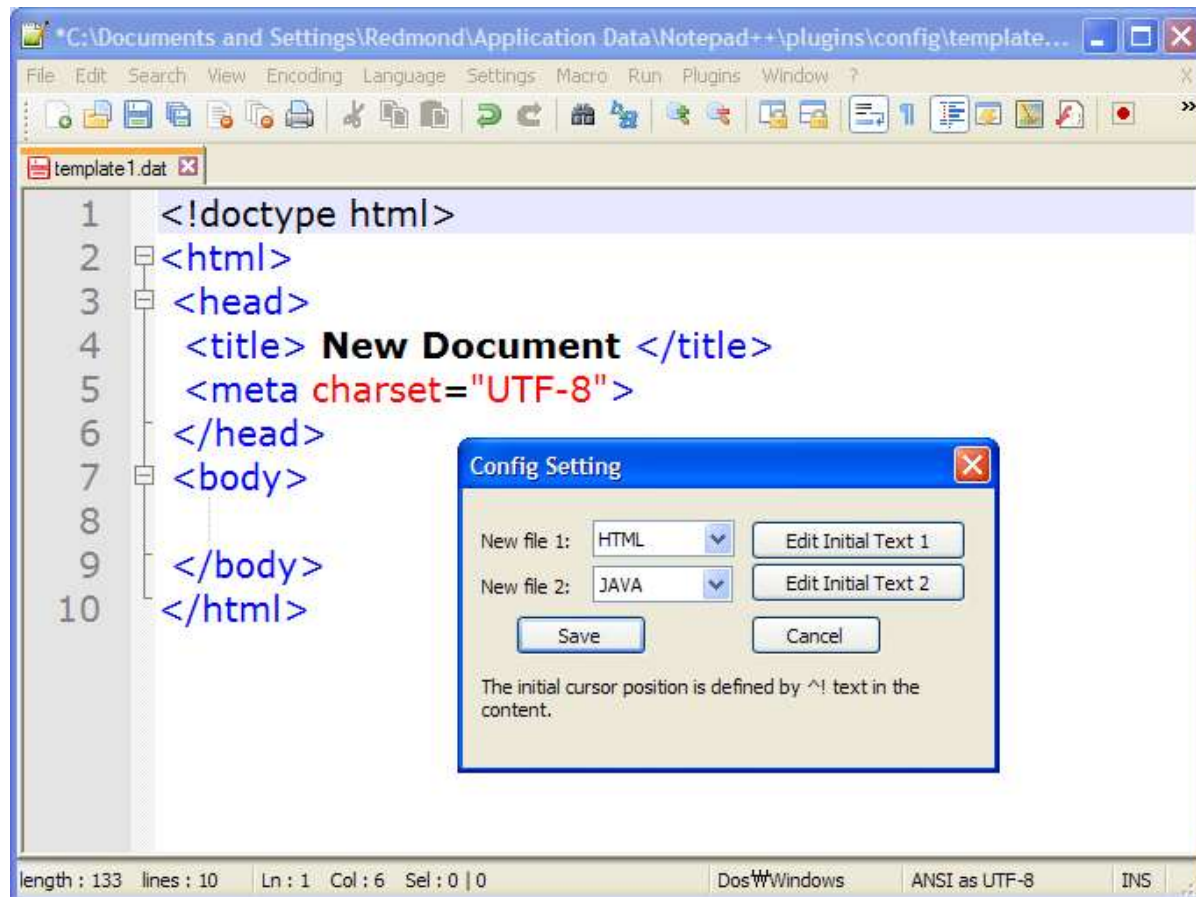
Lab2 : Apache Web Server Installation & Configuration

- 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.con
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
272         # It can be "All", "None", or any combination
273         #   AllowOverride FileInfo AuthConfig Limit
274         #
275         AllowOverride None
276
277         #
278         # Controls who can get stuff from this server.
279         #
280         Require all granted
281     </Directory>
```

```
286         #
287         <IfModule dir_module>
288             DirectoryIndex index.html
289         </IfModule>
290
```
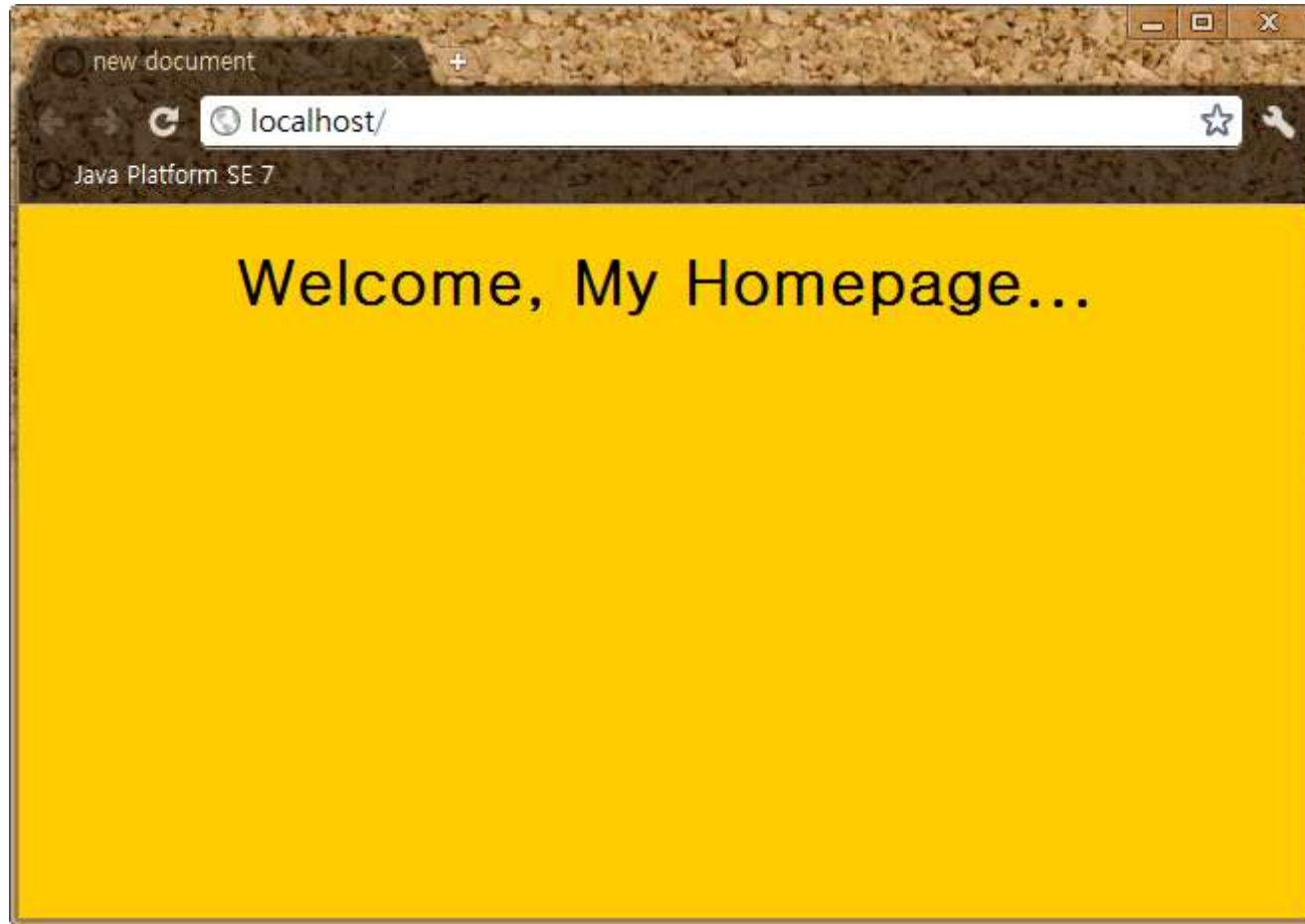
Lab2 : Apache Web Server Installation & Configuration (Cont.)

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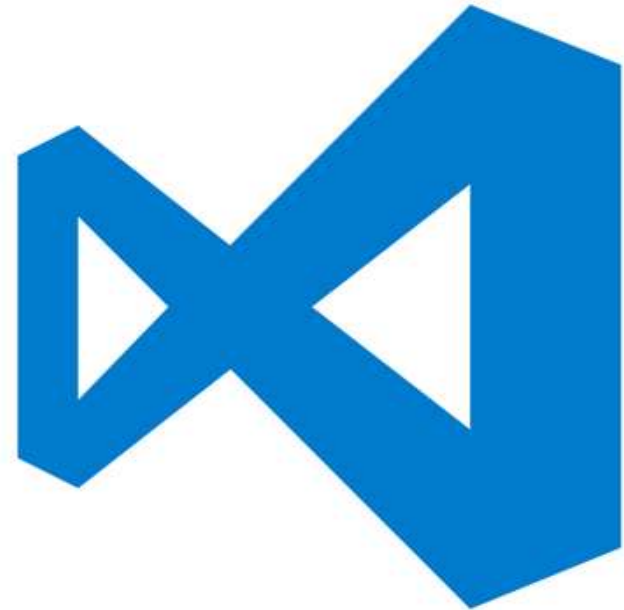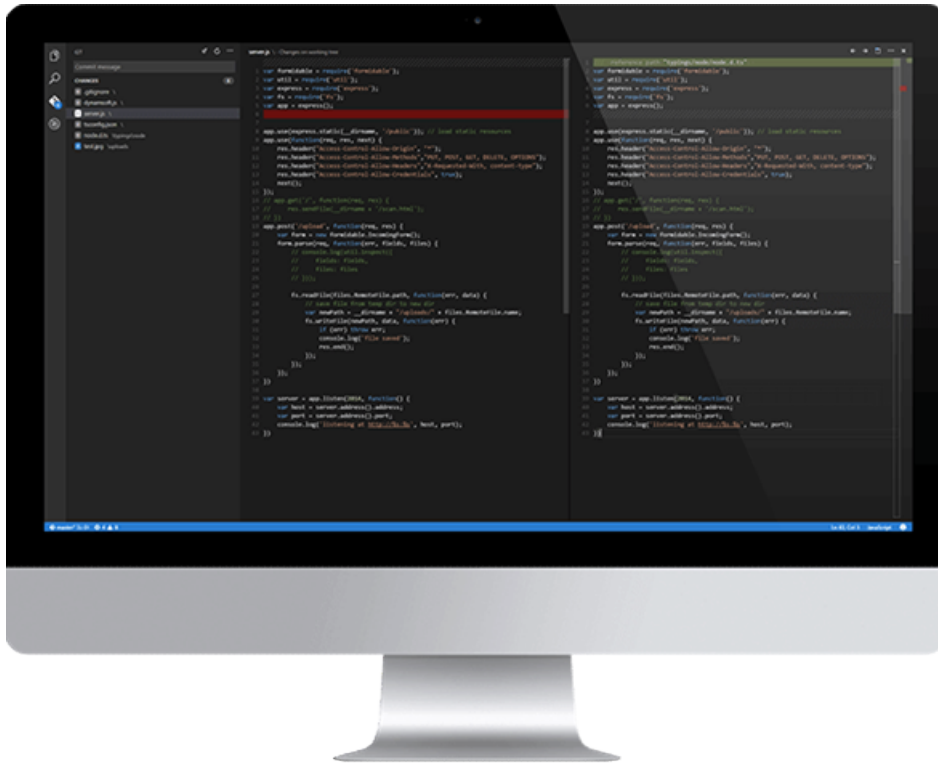
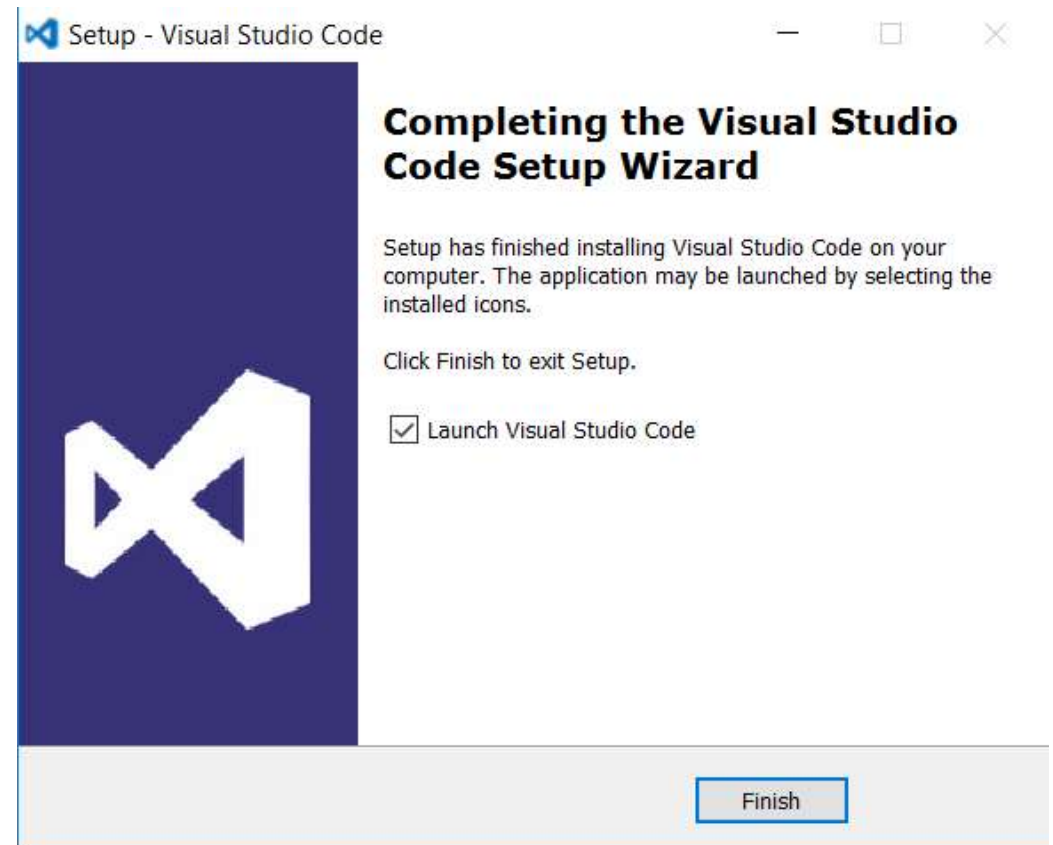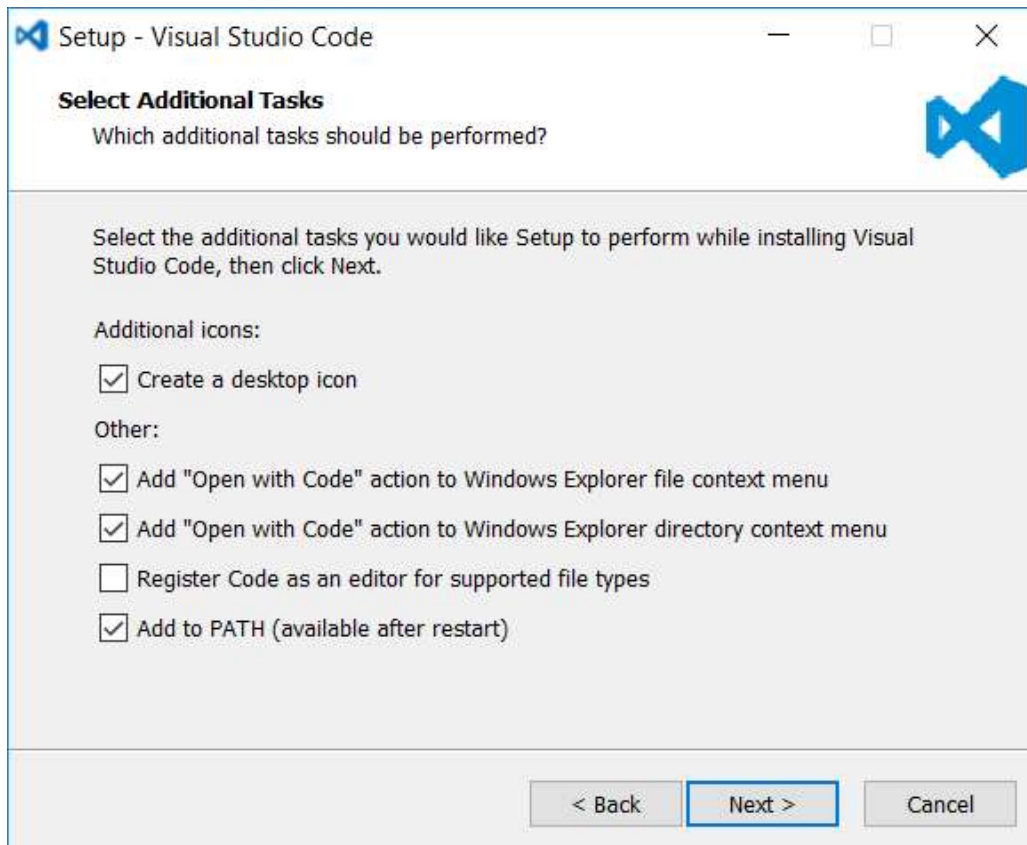# Lab2 : Apache Web Server Installation & Configuration (Cont.)

Lab3 : Visual Studio Code Installation and Configuration

1. Visit https://www.visualstudio.com/
2. Downloads Visual Studio Code for Windows
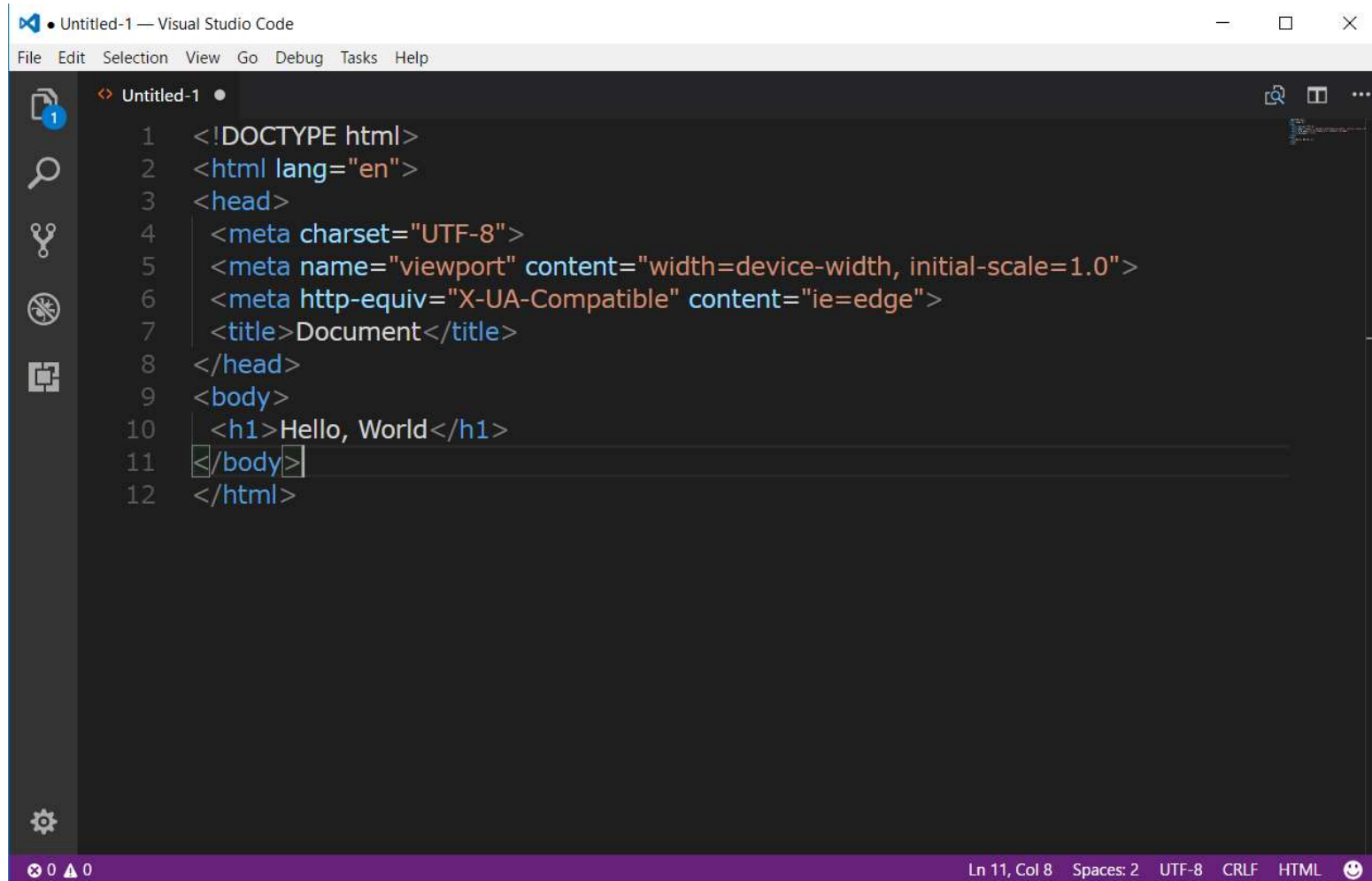
Lab3 : Visual Studio Code Installation and Configuration (Cont.)

3. Install Visual Studio Code.

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

Lab4 : Register Free Web Hosting

Lab5 : Transfer file to MyHomepage with FTP Tool