



HTML5 Web Programming

Chapter1) WEB

Goals)

- Concept and features of web
- Web's working operation
- Concept and features HTML5, CSS3 , JS

Content)

- Beginning of web and Internet
- Browser war & web standard
- Act of web
- Standard web tech. & representative functions of HTML5
- And so on..

1-1) Start of web & Internet

Internet is a thing that connects digital devices around the globe, and contains multiple services.

For instance, Internet contains E-mail service, Web, FTP, etc...

Particularly, Web is a service that allows to see released documents. (by hyperlink)

(And, it is able to see documents by web browsers)

So, web isn't Internet

In, 1994 Tim Burners Lee founded W3C(World Wide Web Consortium)

W3C is a foundation that produces or proposes 'Web Standard'

1-3) Browser war & Web standard

In 1993, NCSA, one of the research institutes in Illinois I.T, announces Mosaic, GUI web browser for the first time.

Marc Andreessen, one of the main developers of Mosaic, made another version of web but named Mosaic by himself.

For this result, NCSA changed their Mosaic's name into Netscape communication.

So on....

At the similar times, Netscape and MS revealed their own web browsers and competed themselves.

Chapter2) WEB PAGE STRUCTURE & BUILDING PROCESS

Goals)

- Tag, element, attribute
- Learn how to make a web page using HTML tag, CSS. and JS
- How to debug by inspection

2-1) HTML basic terms

2-1-1) Tag & element

Elements are compositions of HTML page.

And tag is a way to implement elements.

Tags(elements) are divided into...

- Using start & end

ex)

```
<h1> Hello HTML </h1>  
<p> It's a good day </p>
```

- single tag

ex)

```
<img>  
<br>  
<hr>
```

For the case of elements that can contain contents,

```
<h1> is called start tag.  
</h1> is called end tag.
```

2-1-2) Attribute

Attribute is a way that grants additional information.

For example...

```
<h1 title = "header"> Hello World! </h1>  
<img src = 'C://User//.....//image.png'>
```

2-1-3) comment

Comment is a text for humans to read and get help from it.

It is realized by...

```
<!-- This is comment -->
```

2-2) Structure of HTML5 and how to write

2-2-1) Structure of HTML5 page

Let's give a look at the basic structure.

```
<!DOCTYPE html>

<html>

  <head>
    <title> </title>
  </head>

  <body>

  </body>

</html>
```

※ All code files have .html extension.

※ Based on 'Sublime Text 3'

tag	description
meta	additional info to web page
title	'TITLE'
script	add script

tag	description
link	additional file on web page
style	add stylesheet on web page
base	add default path on web page

2-2-2) Stylesheet apply / run

applying stylesheet on html is available in 2 ways.

※CSS : Cascading Style Sheet

1. In the html document

Demo

```
<!DOCTYPE html>
<html>
  <head>
    <title> EX1 </title>
    <style>
      h1
      {
        color : white;
        background : black;
      }
    </style>
  </head>
  <body>
  </body>
</html>
```

2. Use link tag (seperated .css file)

Demo

```
/* Style.css */
h1{
  color : white;
  background : black;
}
```

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

```

<head>
  <title> EX1 </title>
  <link rel = "stylesheet" href = "Style.css">
    <!-- rel : type of link, href : link(address) -->
  </style>
</head>
<body>
</body>
</html>

```

2-2-3) JS apply / run

Silimar with Stylesheet. In or out of .html file.

Demo

1. Inside .html

```

<!DOCTYPE html>
<html>
  <head>
    <title> EX1 </title>
    <script>
      alert('WARNING!');
    </script>
  </style>
</head>
<body>
</body>
</html>

<!-- Outside .html-->

```

2. Out of .html

```

//Outside .html
//Javascript.js
alert('WARNING!');

```

```

<!DOCTYPE html>
<html>
  <head>
    <title> EX1 </title>
    <script src = "Javascript.js"> </script>
  </style>
</head>
<body>

```

```
</body>  
</html>
```

/////SORRY,,, it's a sample. 🤔