

HTML5

from W3School, Deitel Book

- CSS
- CSS Effects
- Transformation
- Hyperlink

HTML5

```
<!DOCTYPE html >
```

```
<head>
```

```
  <title>Internet and WWW How to Program - Welcome</title>
```

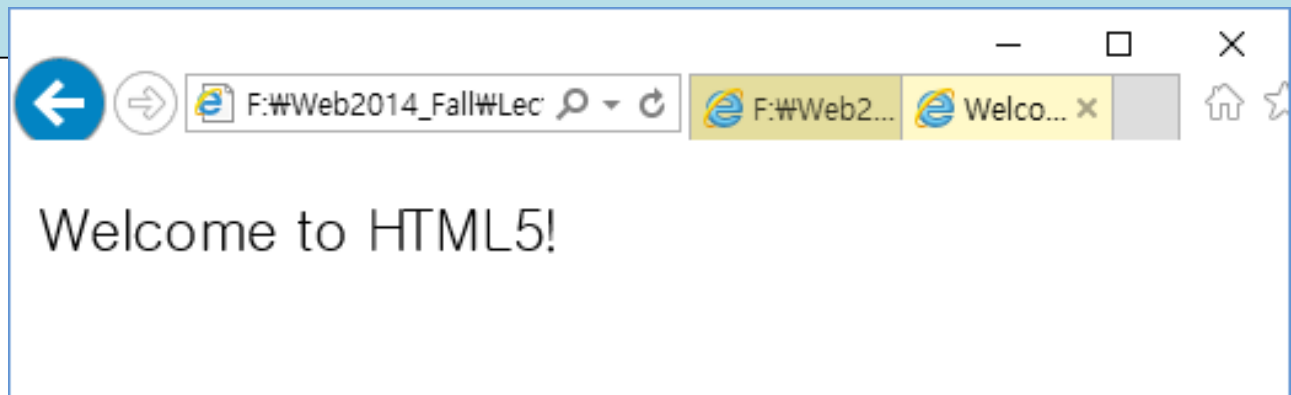
```
</head>
```

```
<body>
```

```
  <p>Welcome to HTML5!</p>
```

```
</body>
```

```
</html>
```



Apply CSS.

```
<!DOCTYPE html>
<head>
  <title>Welcome</title>
  <style>
    p {
      color: red;
      text-align: center;
    }
  </style>
</head>
<body>
  <p>Welcome to XHTML!</p>
</body>
</html>
```

```
p {  
  text-align: center;  
  color: red;  
}
```

```
p {  
  background-color: Tomato;;  
  color: red;  
}
```

Think about the advantages of HTML5 over XML when using CSS.

```
<!DOCTYPE html>
<head>
  <title>Welcome</title>
  <style>
    p {
      font-size:30px;
      color: blue;
      font-weight:bold;
      text-align: center;
      background-color:Tomato;
    }
  </style>
</head>
<body>
  <p>Welcome to XHTML!</p>
</body>
</html>
```



```
<head>
  <title>Welcome</title>
  <style>
    p {
      width: 500px;
      height: 100px;
      font-size:30px;
      color: blue;
      font-weight:bold;
      text-align: center;
      background-color:Tomato;
    }
  </style>
</head>
```

Welcome to XHTML!

```
<style>
```

```
  p {  
    width: 500px;  
    height: 100px;  
    font-size:30px;  
    color: blue;  
    font-weight:bold;  
    text-align: center;  
    background-color:yellow;  
    border: 1px solid red;  
  }
```

```
</style>
```

```
</head>
```

```
<body>
```

```
  <p>Welcome to HTML5!</p>
```

```
</body>
```



Welcome to HTML5!


```
<style>
```

```
p {  
  width: 500px;  
  height: 100px;  
  font-size:30px;  
  color: blue;  
  font-weight:bold;  
  text-align: center;  
  background-color:Tomato;  
}
```

```
p {
```

```
position: relative;
```

```
-webkit-animation: mymove 5s infinite; /* Safari 4.0 - 8.0 */
```

```
animation: mymove 5s infinite;
```

```
}
```

```
@keyframes mymove {
```

```
from {left: 0px;}
```

```
to {left: 200px;}
```

```
</style>
```

```
<style>
```

```
p {  
width: 500px;  
height: 100px;  
font-size:30px;  
color: blue;  
font-weight:bold;  
text-align: center;  
background-color:Yellow;  
border:2px solid black;  
}
```

```
p {  
position: relative;  
-webkit-animation: mymove 5s infinite; /*  
Safari 4.0 - 8.0 */  
animation: mymove 5s infinite;  
}  
@keyframes mymove {  
0% {left: 0px;}  
50% {left: 200px;}  
100% {left: 0px;}  
}  
</style>  
</head>  
<body>  
  <p>Welcome to CSS</p>  
</body>
```

```
<head>
  <title>Welcome</title>
  <style>
    p {
      font-size:40px;
      color: blue;
      font-weight:bold;
      text-align: center;
      background-color:yellow;
      text-shadow: 3px 3px 1px red;
    }
  </style>
</head>
```

Welcome to XHTML!

```
<style>
h3 {
  color: blue;
  font-weight:bold;
  text-align: center;
  background-color:yellow;
  text-shadow: 3px 3px 1px red;
}
h2 {
  color: black;
  font-weight:bold;
  text-align: center;
  background-color:gray;
  transform: skewX(20deg);
}
```

```
h1 {
  color: red;
  font-weight:bold;
  text-align: center;
  background-color:green;
  transform: skewY(20deg);
}
</style>
```

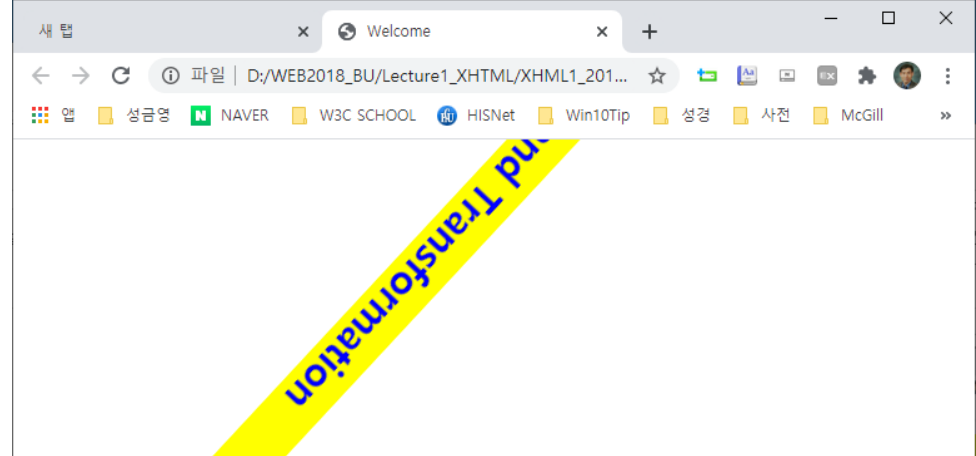
```
<body>
  <h3>Shading Effect</h3>
  <h2>Shading Effect</h2>
  <h1>Shading Effect</h1>
</body>
```

Shading Effect

Shading Effect

Shading Effect

```
h1 {  
  color: blue;  
  font-weight:bold;  
  text-align: center;  
  background-color:yellow;  
  transition: width 2s, height 2s, transform 2s;  
}  
h1: hover {  
  transform: rotate(180deg);  
}
```

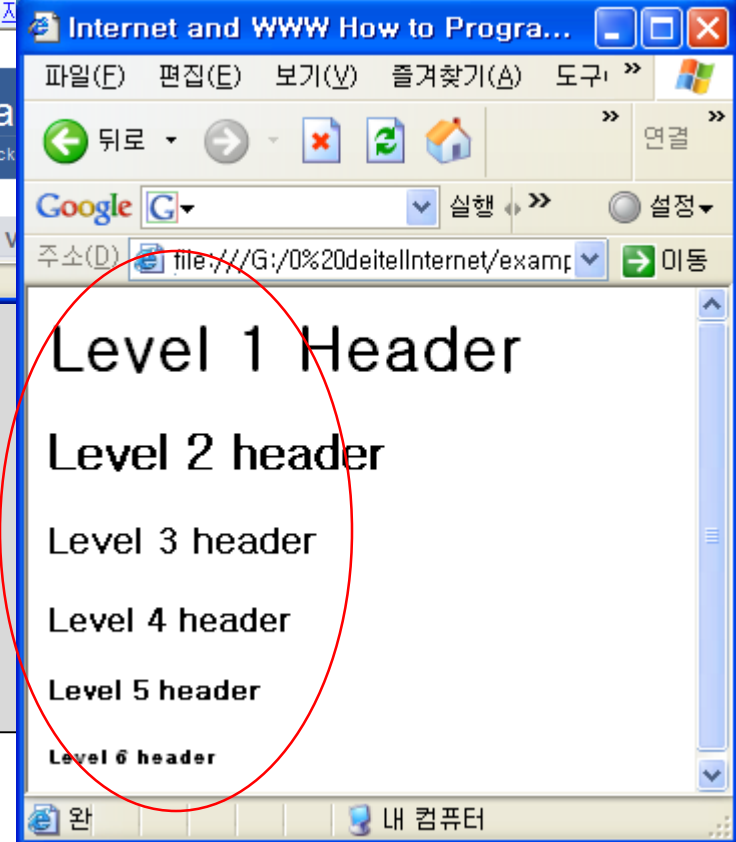
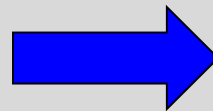


Understanding XHTML with Experiment

W3C XHTML
Validation
Service

headers

```
<!DOCTYPE HTML>
<head>
  <title>Internet and WWW
</head>
<body>
  <h1>Level 1 Header</h1>
  <h2>Level 2 header</h2>
  <h3>Level 3 header</h3>
  <h4>Level 4 header</h4>
  <h5>Level 5 header</h5>
  <h6>Level 6 header</h6>
</body>
</html>
```

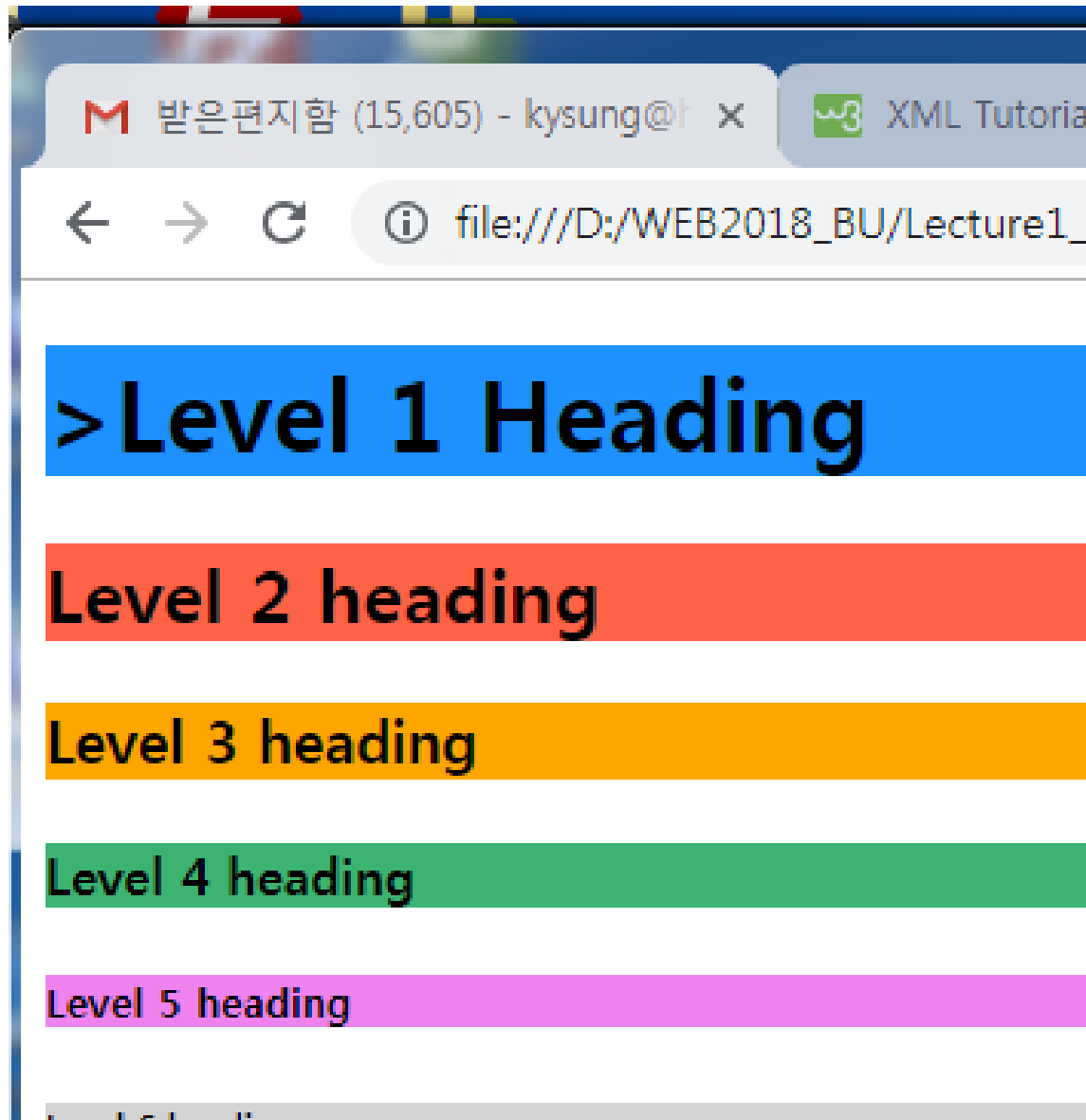


CSS Background color

```
<h1 style="background-color: DodgerBlue;">Level 1 He  
<h2 style="background-color: Tomato;">Level 2 heading  
<h3 style="background-color: Orange;">Level 3 heading  
<h4 style="background-color: MediumSeaGreen;">Leve  
<h5 style="background-color: Violet;">Level 5 heading<  
<h6 style="background-color: LightGray;">Level 6 head
```

CSS Background color

No Width and Height



```
<!DOCTYPE HTML>
<head>
  <title>Headings</title>
  <style>
    body {
      width: 300px;
      height: 100px;
    }
  </style>
</head>
<body>
  <h1 style="background-color:DodgerBlue;">Level 1 Heading</h1>
  <h2 style="background-color:Tomato;">Level 2 heading</h2>
  <h3 style="background-color:Orange;">Level 3 heading</h3>
  <h4 style="background-color:MediumSeaGreen;">Level 4 heading</h4>
  <h5 style="background-color:Violet;">Level 5 heading</h5>
  <h6 style="background-color:LightGray;">Level 6 heading</h6>
</body>
</html>
```

<h1 style="background-color: DodgerBlue;">

Level 1 Heading</h1>

<h2 style="background-color: Tomato;">

Level 2 heading</h2>

<h3 style="background-color: Orange;">

Level 3 heading</h3>

<h4 style="background-color: MediumSeaGreen;">

Level 4 heading</h4>

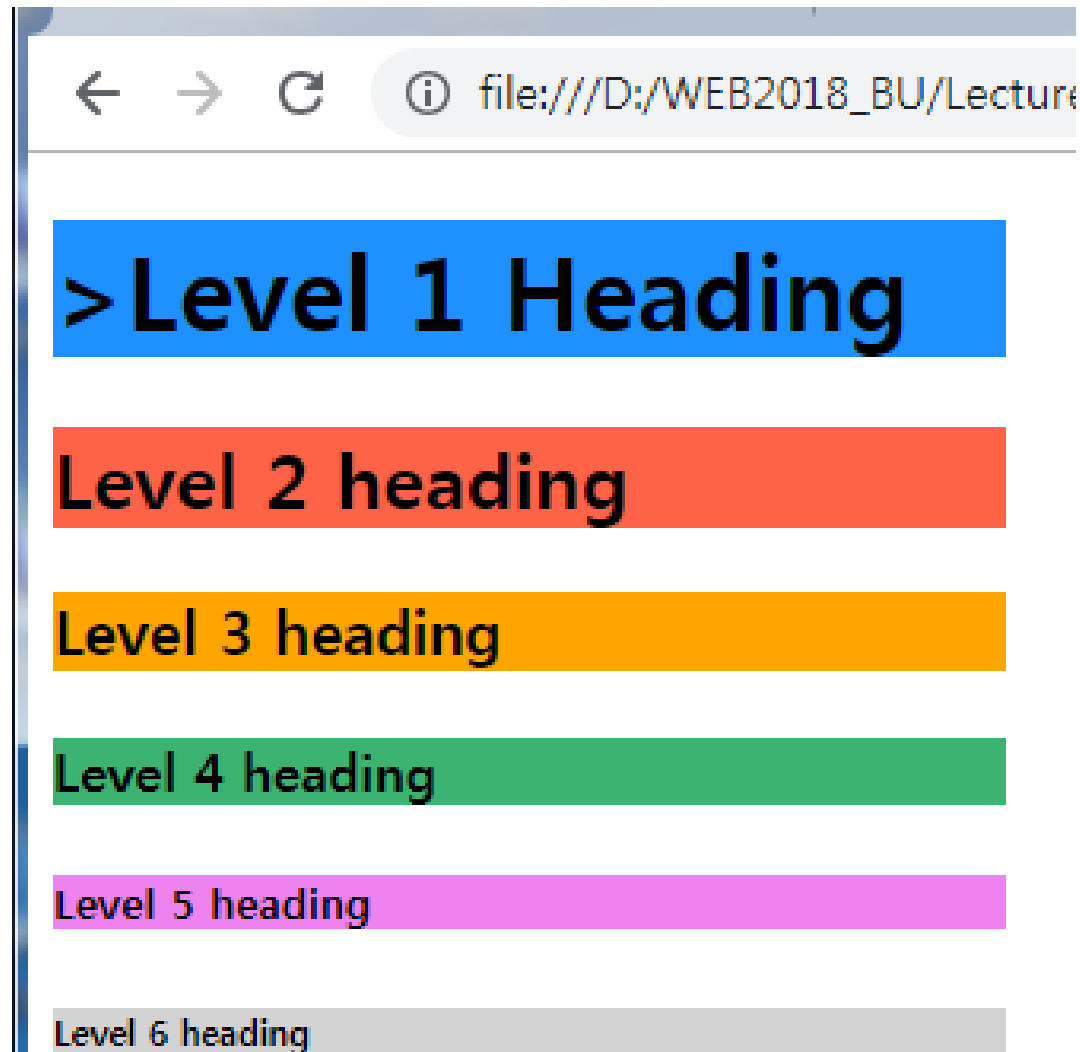
<h5 style="background-color: Violet;">

Level 5 heading</h5>

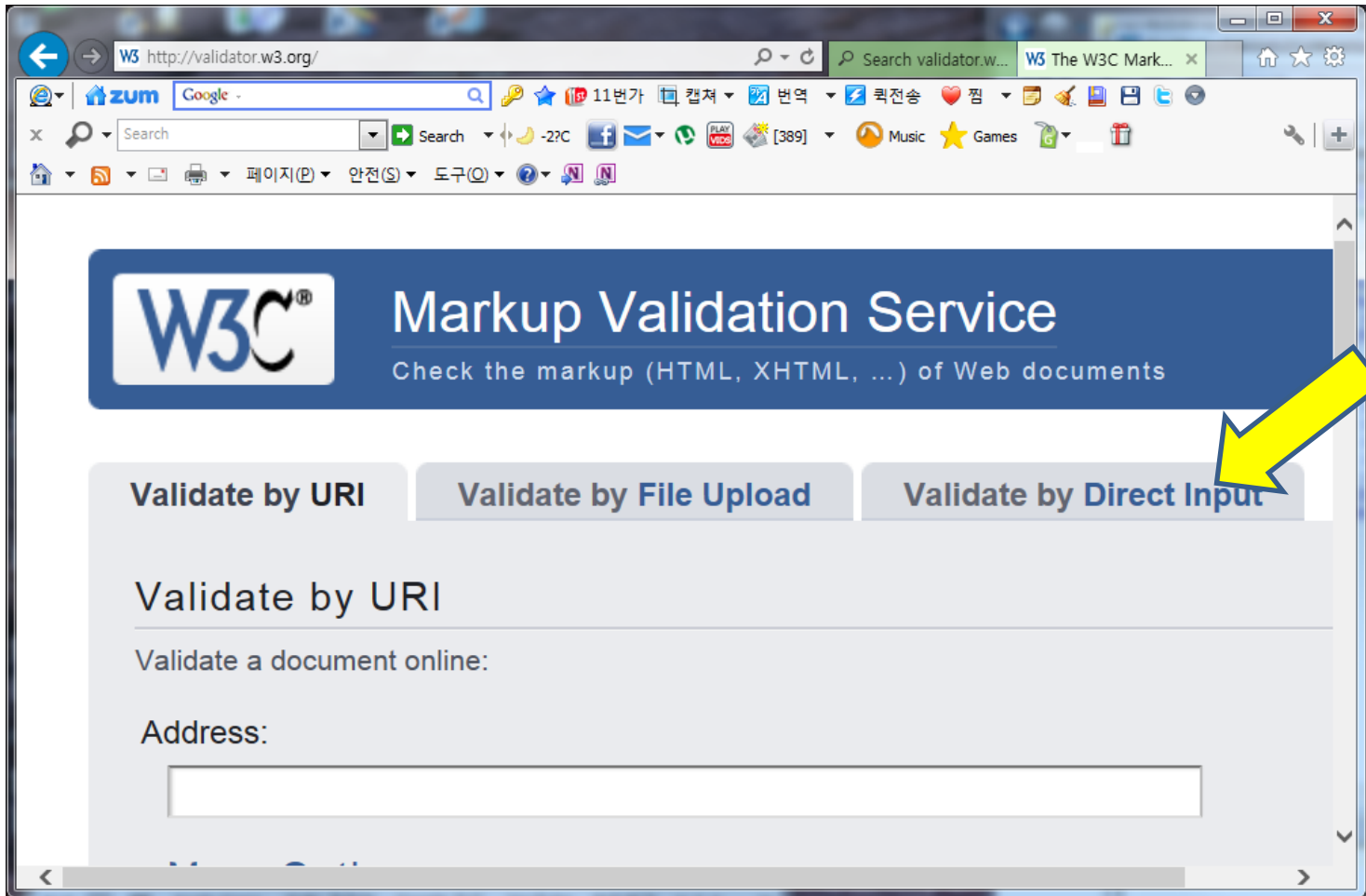
<h6 style="background-color: LightGray;">

Level 6 heading</h6>

width and height



http://validator.w3.org/



←

→

W3 http://validator.w3.org/#validate_by_uri+with_options

W3 The W3C Markup Validatio... x

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캡처

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더보기 >>

로그인

W3C®

Markup Va

Not Fully Supporting HTML5

Check the markup (HTML, XHTML, ...) of Web documents

Validate by URI

Validate by File Upload

Validate by Direct Input

Validate by URI

Validate a document online:

Address:

More Options

Character Encoding

Document Type

● List Messages Sequentially

☐ Show Source

☐ Show Outline

(detect automatically)

HTML5 (experimental)

XHTML 1.0 Strict

XHTML 1.0 Transitional

XHTML 1.0 Frameset

HTML 4.01 Strict

HTML 4.01 Transitional

HTML 4.01 Frameset

HTML 4.01 + RDFa 1.1

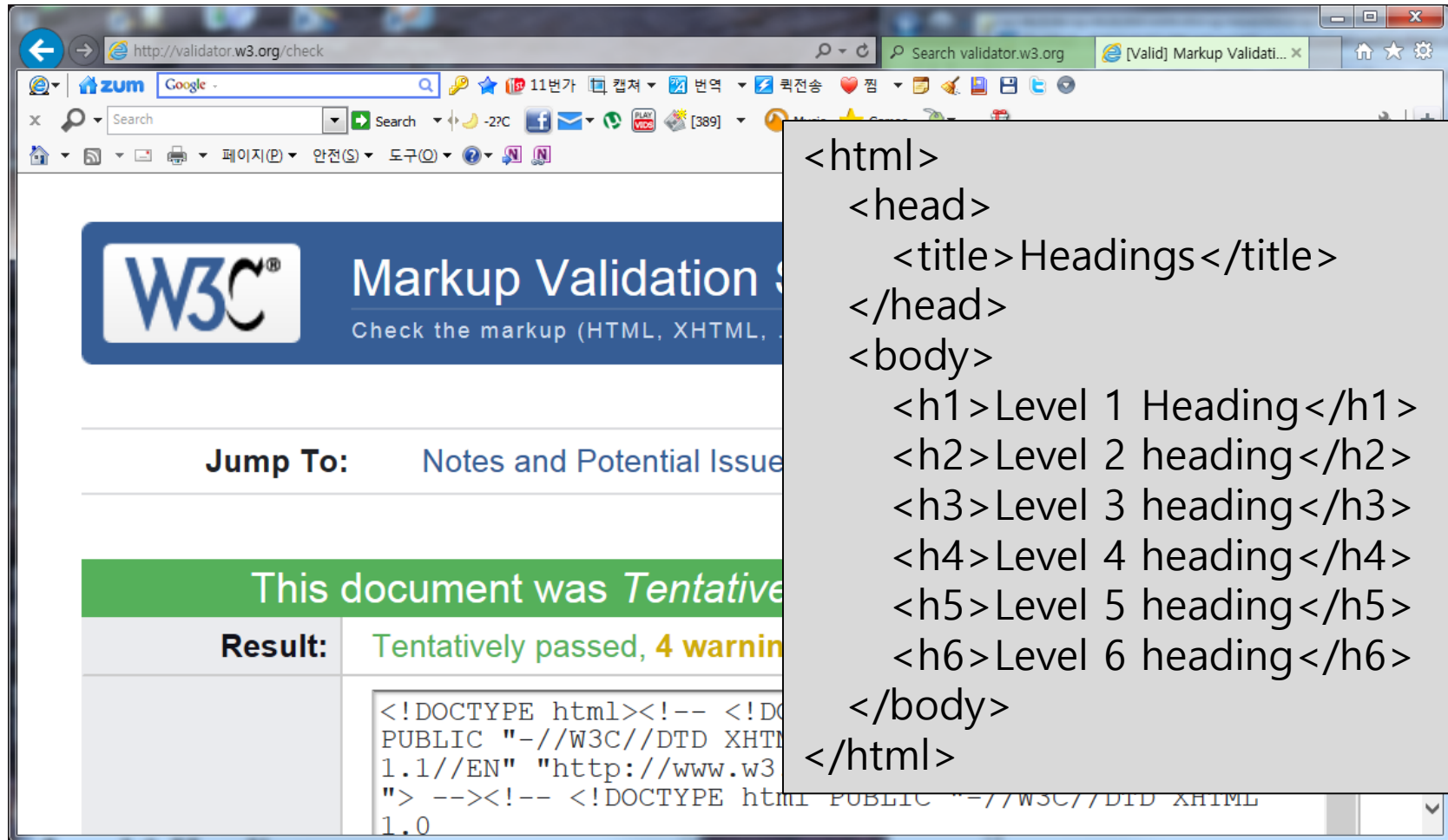
HTML 3.2

☐ Only if missing

☐ Only if missing

☐ Verbose Output

Check Syntax



The screenshot shows the W3C Markup Validation Service interface. The browser address bar displays `http://validator.w3.org/check`. The page title is "Markup Validation Service". The main heading is "W3C® Markup Validation Service". Below this, it says "Check the markup (HTML, XHTML, ...)". A "Jump To:" section is visible with a link to "Notes and Potential Issues". A green banner states "This document was Tentatively passed". Below this, a table shows the result: "Result: Tentatively passed, 4 warnings". The bottom of the page shows the beginning of the HTML document being validated, starting with `<!DOCTYPE html><!-- <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN" "http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd"> --><!-- <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0`.

Result:	Warnings
Tentatively passed	4 warnings

```
<!DOCTYPE html><!-- <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN" "http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd"> --><!-- <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0
```

```
<html>
<head>
  <title>Headings</title>
</head>
<body>
  <h1>Level 1 Heading</h1>
  <h2>Level 2 heading</h2>
  <h3>Level 3 heading</h3>
  <h4>Level 4 heading</h4>
  <h5>Level 5 heading</h5>
  <h6>Level 6 heading</h6>
</body>
</html>
```



Changed font size for h1 tag

```
<style>  
  h1 {  
    width: 200px;  
    background: yellow;  
    font-size: 20px;  
  }  
</style>
```

Level 1 Heading

Level 2 heading

Level 3 heading

Level 4 heading



Hyperlink to an E-mail

```
<html xmlns = "http://www.w3.org/1999/xhtml">
```

```
<head>
```

```
<title>Contact Page</title>
```

```
</head>
```

```
<body>
```

```
<p>
```

My e-mail address is

``

deitel@deitel.com

``

. Click the address and your default email client
will open an email message and address it to me

```
</p>
```

```
</body>
```

```
</html>
```



Background color for a element

```
<title>Contact Page</title>
```

```
<style>
```

```
    a {
```

```
        background: cyan;
```

```
    }
```

```
</style>
```

```
</head>
```

```
<body>
```

```
  <p>
```

```
    My e-mail address is
```

```
      <a href = "mailto:deitel@deitel.com">
```

```
        deitel@deitel.com
```

```
      </a>
```

```
    . Click the address and your default email client
```



Give a background color to a tag.

← → ↻ ⓘ file:///D:/WEB2018_BU/Lecture1_XHTML/Exam

My e-mail address is deitel@deitel.com. Click the address



```
<style>
```

```
  a {  
    width: 50px;  
    height: 30px;
```

```
    background: cyan;  
    border: 1px solid black;
```

```
  }
```

```
</style>
```



file:///D:/WEB2018_BU/Lecture1_

My e-mail address is deitel@deitel.com. Click

Give a boundary to a tag.



file:///D:/WEB201

My e-mail address is

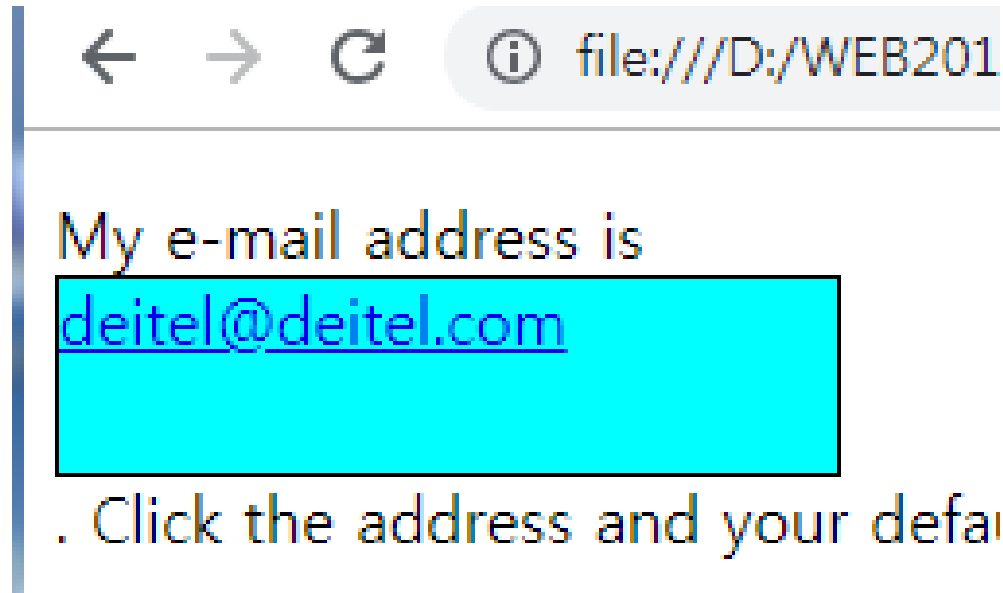
deitel@deitel.com

. Click the address and your default

```
<style>
```

```
  a {  
    width: 200px;  
    height: 50px;  
    background: cyan;  
    border: 1px solid black;
```

```
  display: block;
```



```
a {  
    width: 200px;  
    height: 50px;  
    background: cyan;  
    border: 1px solid black;  
    display: block;
```

```
}
```

```
a {transform: rotate(20deg); transform-origin: 100 100;
```

← → ↻ ⓘ file:///D:/WEB2018



Not working in this case

. Click the address bar default