

# HTML Part 3

- w3schools
- Deitel Book

# Image Map

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

<h2>Image Maps</h2>
<p>Click on the computer, the phone, or the cup of
coffee to go to a new page and read more about the
topic:</p>



<map name="workmap">
  <area shape="rect" coords="34,44,270,350"
alt="Computer" href="form.html">
  <area shape="rect" coords="290,172,333,250"
alt="Phone" href="links.html">
  <area shape="circle" coords="337,300,44" alt="Cup of
coffee" href="main.html">
</map>

</body>
</html>
```

imageMap.html

Need to design hotspot area and calculate its coordinate locations.

## Image Maps

Click on the computer,



image linking called **image map** uses **hotspots**, certain areas of an image as links

## Image Maps

Click on the computer, the phone, or the cup of coffee to g



## Feedback Form

Please fill out this form to help us improve our site.

Name:

## Image Maps

Click on the computer, the phone, or the cup of coffee to g



## Here are my favorite sites

Click a name to go to that page.

[Deitel](#)

[Prentice Hall](#)

[Yahoo!](#)

[USA Today](#)

## Image Maps

Click on the computer, the phone, or the cup of coffee to g



Welcome to XHTML!

# Positioning Elements

positioning.html

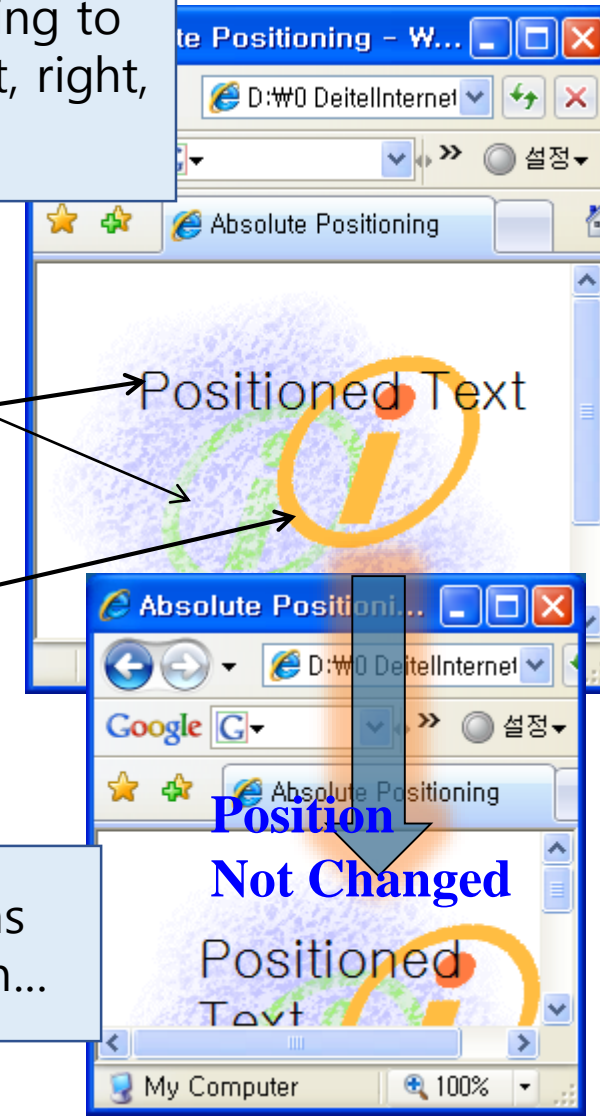
positioning elements according to the distance from the top, left, right, or bottom

```
<p><img src = "i.gif" style = "position: absolute;
top: 0px; left: 0px; z-index: 1"
alt = "First positioned image" /></p>
<p style = "position: absolute; top: 50px; left: 50px;
z-index: 3; font-size: 20pt">Positioned Text</p>
<p><img src = "circle.gif" style = "position: absolute;
top: 25px; left: 100px; z-index: 2" alt =
"Second positioned image" /></p>
```

Try using relative...

**Overlapped  
Vertically**

higher z-value positions  
elements upper position...



```

<html xmlns = "http://www.w3.org/1999/xhtml">
  <head>
    <title>Absolute Positioning</title>
    <style type = "text/css">
      .bgimg { position: absolute;
        top: 0px;
        left: 0px;
        z-index: 1 }
      .fgimg { position: absolute;
        top: 25px;
        left: 100px;
        z-index: 2 }
      .text { position: absolute;
        top: 25px;
        left: 100px;
        z-index: 3;
        font-size: 20pt;
        font-family: tahoma, geneva, sans-serif
      }
    </style>
  </head>
</html>

```

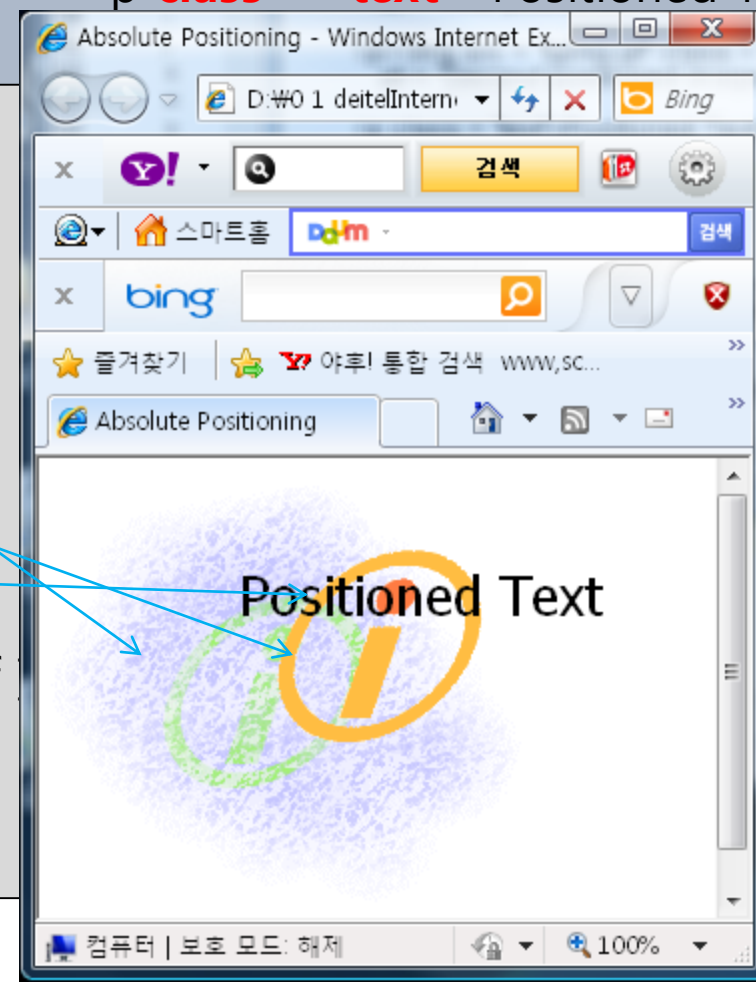
```

<body>
  <p><img src = "bgimg.gif" class = "bgimg"
    alt = "First positioned image" /></p>

  <p><img src = "fgimg.gif" class = "fgimg"
    alt = "Second positioned image" /></p>

  <p class = "text">Positioned Text</p>

```





# Compare inline style sheet with embedded CSS

```
<html xmlns = "http://www.w3.org"
<head>
  <title>Absolute Positioning</title>
  <style type = "text/css">
    .bgimg { position: absolute;
             top: 0px;
             left: 0px;
             z-index: 1 }
    .fgimg { position: absolute;
             top: 25px;
             left: 100px;
             z-index: 2 }
    .text { position: absolute;
            top: 25px;
            left: 100px;
            z-index: 3;
            font-size: 20pt;
            font-family: tahoma,
            sans-serif;
            color: red;
            text-align: center;
            width: 50%;
            margin: 0 auto;
            padding: 10px 0;
            border: 1px solid black;
            border-radius: 10px;
            background-color: #f0f0f0;
            box-shadow: 5px 5px 0px #888;
            }
  </style>
</head>
</html>
```

```
<body>
  <p><img src = "bgimg.gif" class = "bgimg"
    alt = "First positioned image" /></p>

  <p><img src = "fgimg.gif" class = "fgimg"
    alt = "Second positioned image" /></p>

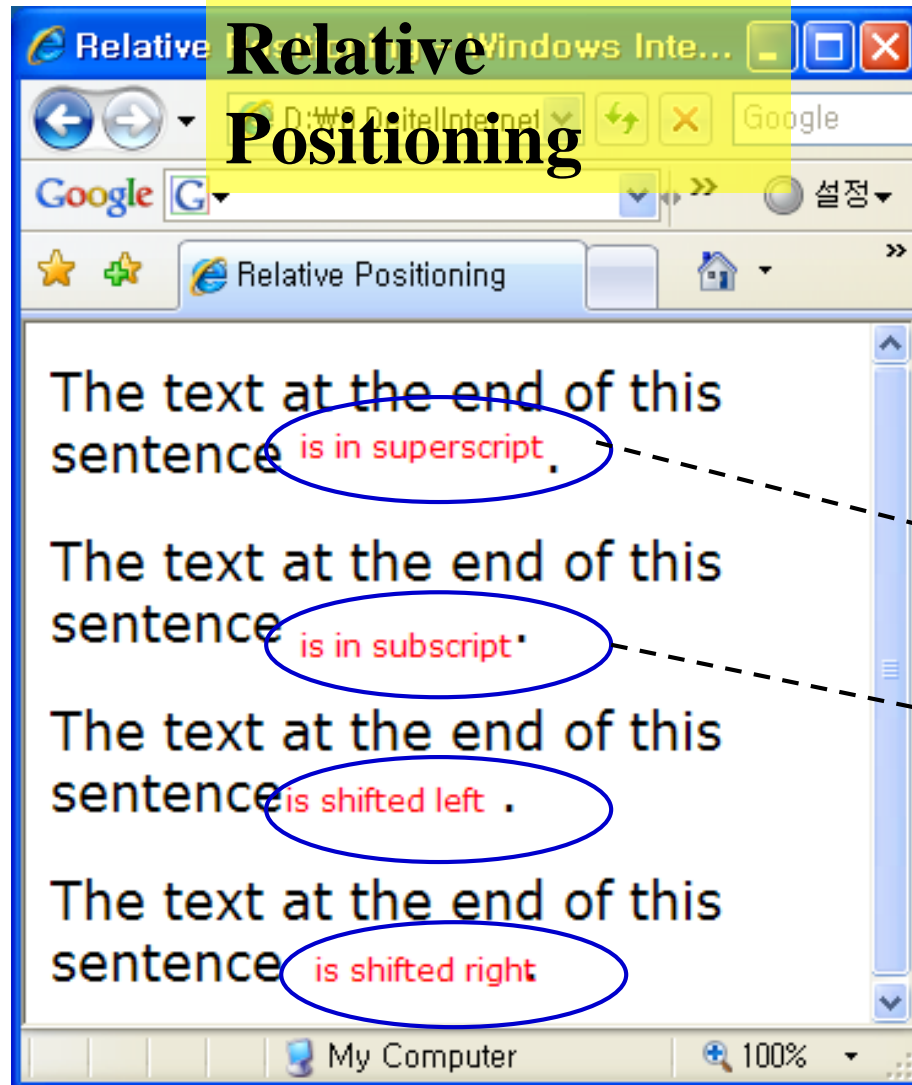
  <p class = "text">Positioned Text</p>
</body>
```

```
<p><img src = "i.gif" style = "position: absolute;
  top: 0px; left: 0px; z-index: 1"
  alt = "First positioned image" /></p>
<p style = "position: absolute; top: 50px; left: 50px;
  z-index: 3; font-size: 20pt">Positioned Text</p>
<p><img src = "circle.gif" style = "position: absolute;
  top: 25px; left: 100px; z-index: 2" alt =
  "Second positioned image" /></p>
```



# Span Element

positioning2.html



## Relative Positioning

```
<style type = "text/css">
  p    { font-size: 1.3em;
         font-family: verdana, arial, sans-serif }
  span  { color: red; font-size: .6em;
         height: 1em }
  .super { position: relative; top: -1ex }
  .sub   { position: relative; bottom: -1ex }
  .shiftleft { position: relative; left: -1ex }
  .shiftright { position: relative; right: -1ex }
</style>
```

```
<p>The text at the end of this sentence
<span class = "super">is in
superscript</span>.</p>
<p>The text at the end of this sentence
<span class = "sub">is in subscript</span>.</p>
<p>The text at the end of this sentence
<span class = "shiftleft">is shifted
left</span>.</p>
<p>The text at the end of this sentence
<span class = "shiftright">is shifted
right</span>.</p>
```

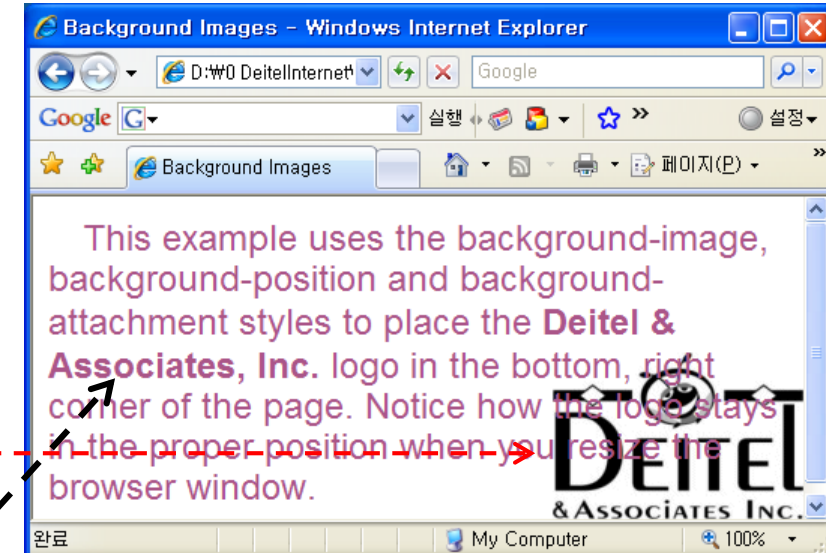
```
<style type = "text/css">
    p      { font-size: 1.3em;
             font-family: verdana, arial, sans-serif }
    span    { color: red;
             font-size: .6em;
             height: 1em }
    .super  { position: relative;
             top: -1ex }
    .sub     { position: relative;
             bottom: -1ex }
    .shiftleft { position: relative;
             left: -1ex }
    .shiftright { position: relative;
             right: -1ex }
</style>
```

# Control over Background Image

background.html

```
<style type = "text/css">
  body { background-image: url(logo.gif);
        background-position: bottom right;
        background-repeat: no-repeat;
        background-attachment: fixed; }
  p { font-size: 18pt;
      color: #aa5588;
      text-indent: 1em;
      font-family: arial, sans-serif; }
  .dark { font-weight: bold }
</style>
```

<p>  
This example uses the background-image, background-position and background-attachment styles to place the **<span class = "dark">Deitel & Associates, Inc.</span>** logo in the bottom, right corner of the page. Notice how the logo stays in the proper position when you resize the browser window.  
</p>



repeat-y

repeat-x

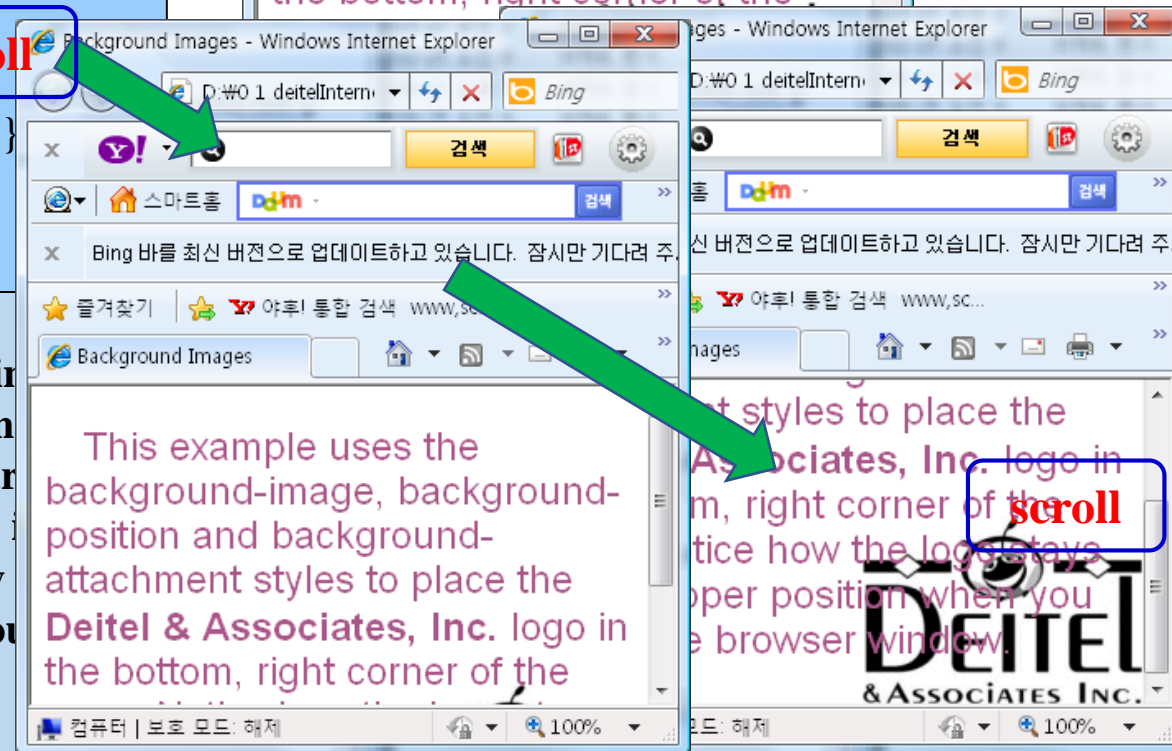
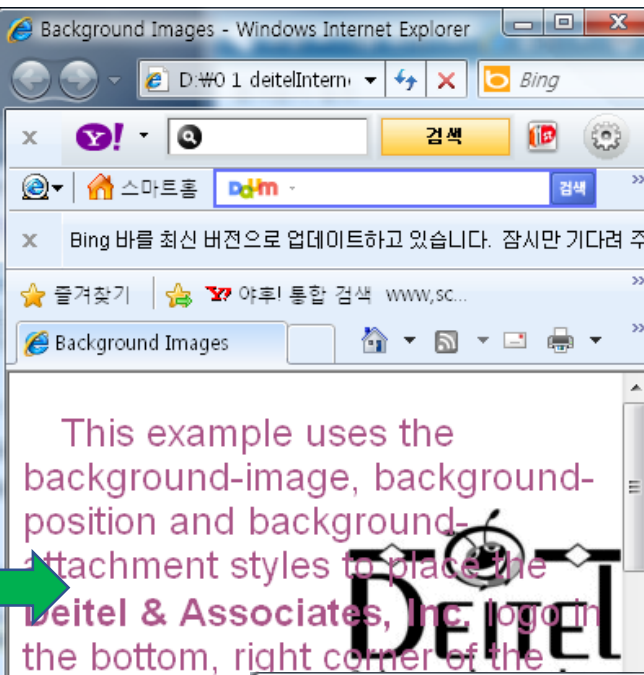
# Control over Element Background

```
<style type = "text/css">
  body { background-image: url(logo.gif);
        background-position: bottom right;
        background-repeat: no-repeat;
        background-attachment: fixed; }
  p { font-size: 18pt;
      color: #aa5588;
      text-indent: 1em;
      font-family: arial, sans-serif; }
  .dark { font-weight: bold }
</style>
```

<p>

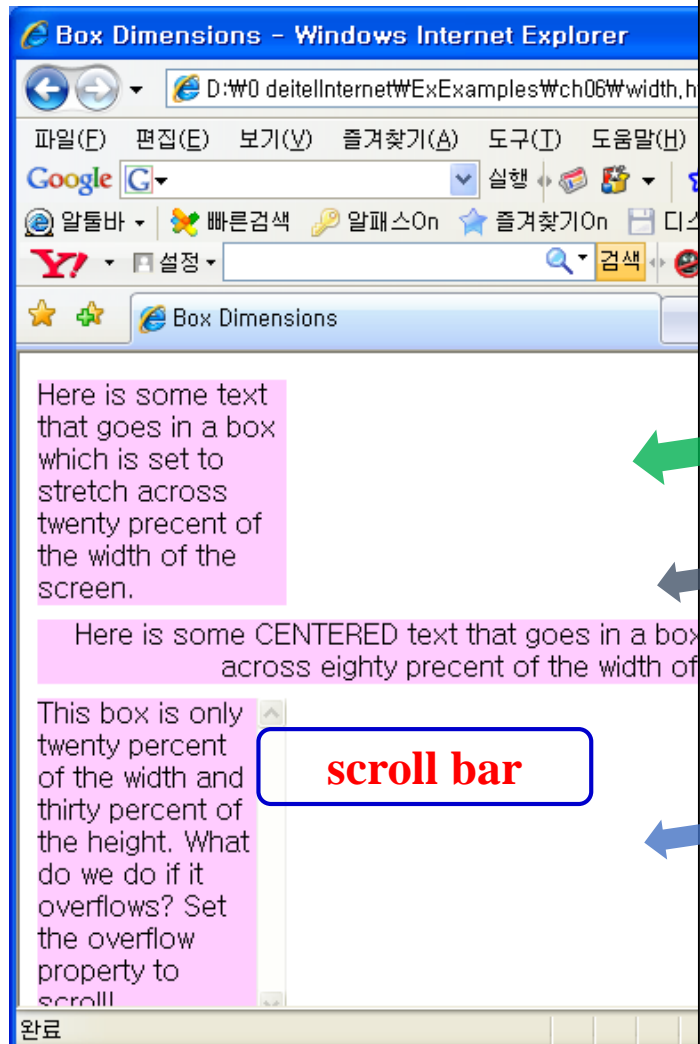
This example uses the background-image, background-position and background-attachment styles to place the <span class = "dark">Deitel & Associates, Inc.</span> logo in the bottom, right corner of the page. Notice how the logo stays in the proper position when you scroll the browser window.

</p>



# Div Element

width.html



```
<head>
  <title>Box Dimensions</title>
<style type = "text/css">
  div { background-color: #ffccff;
        margin-bottom: .5em }
</style>
</head>
<body>
  <div style = "width: 20%">Here is some
  text that goes in a box which is
  set to stretch across twenty percent
  of the width of the screen.</div>
  <div style = "width: 80%; text-align: center">
  Here is some CENTERED text that goes in a box
  which is set to stretch across eighty percent of
  the width of the screen.</div>
  <div style = "width: 20%; height: 30%; overflow: scroll">
  This box is only twenty percent of
  the width and thirty percent of the height.
  What do we do if it overflows? Set the
  overflow property to scroll!</div>
</body>
```

```

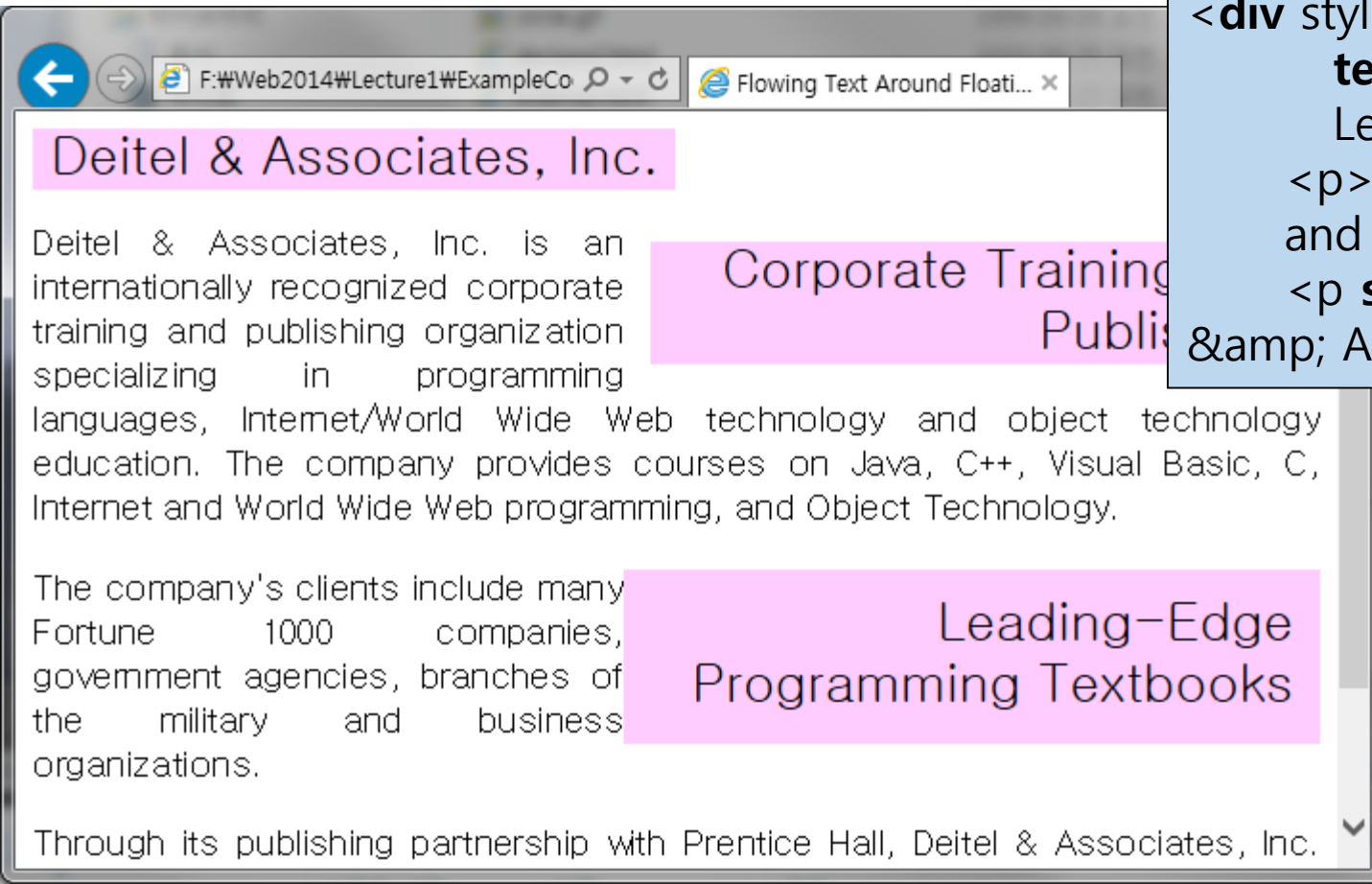
<style type = "text/css">
    div { background-color: #ffccff;
        margin-bottom: .5em;
        font-size: 1.5em;
        width: 50% }
    p { text-align: justify }
</style>
</head>

```

```

<div style = "text-align: center">
    Deitel & Associates, Inc.</div>
<div style = "float: right; margin: .5em;
    text-align: right">
    Corporate Training and Publishing</div>
<p>Deitel & Associates, Inc. is ...
    Internet and World Wide Web programming, and
    Object Technology.</p>
<div style = "float: right; padding: .5em;
    text-align: right">
    Leading-Edge Programming Textbooks</div>
<p>The company's ...
    and business organizations.</p>
<p style = "clear: right">Through ... Hall, Deitel
    & Associates,

```



**floating.html**



## Text Flow and Box Model

```
div { background-color: #ffccff;  
      margin-bottom: .5em;  
      font-size: 1.5em;  
      width: 50% }
```

```
p { text-align: justify }
```

```
...  
<div style = "text-align: center">  
  Deitel & Associates,  
  Inc.</div>
```

```
<div style = "float: right;  
margin: .5em;  
text-align: right">  
  Corporate Training and  
  Publishing</div>
```

```
...  
<div style = "float: right; padding: .5em;  
text-align: right">  
  Leading-Edge Programming  
  Textbooks</div>
```

any nearby text will wrap around  
the floated elements...

& Associates, Inc.

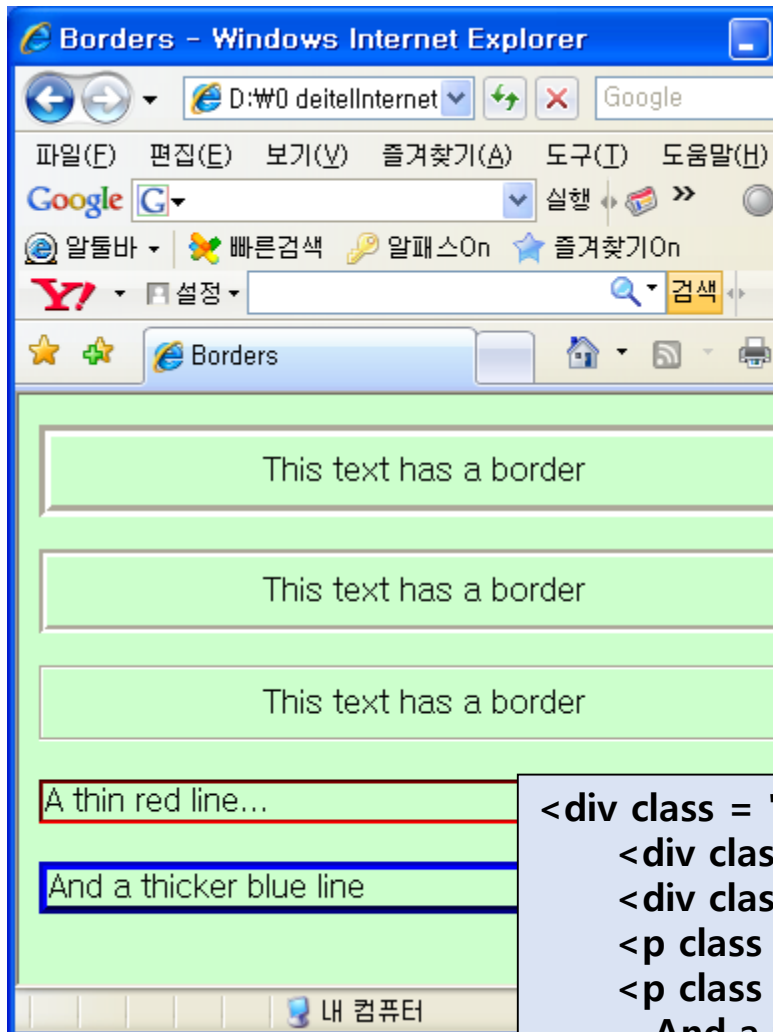
Corporate Training and  
Publishing

Leading-Edge Programming  
Textbooks



# Border Setting

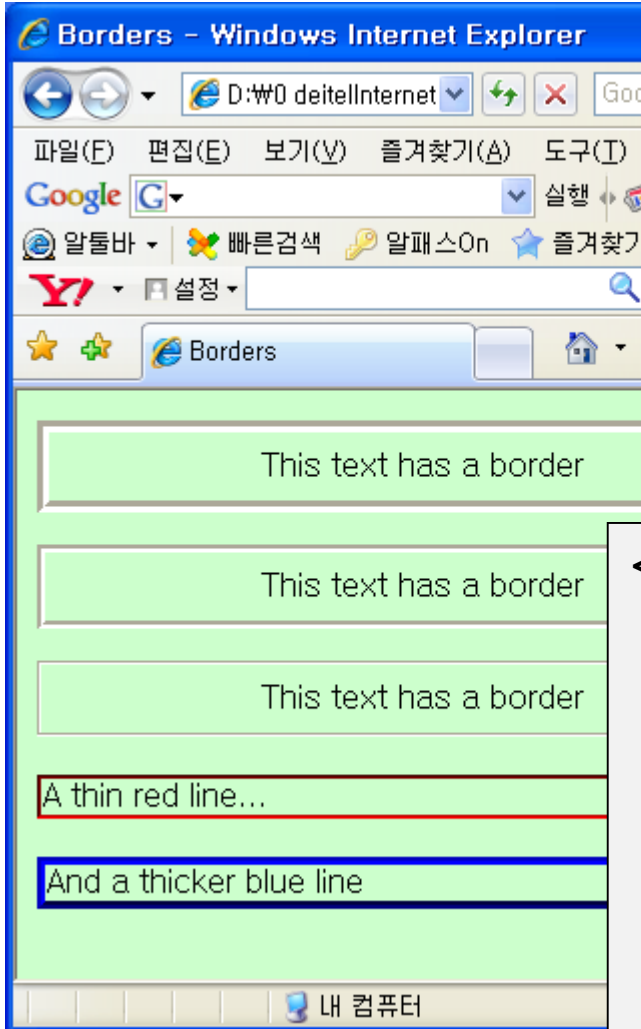
borders.html



```
<style type = "text/css">
  body { background-color: #ccffcc }
  div { text-align: center;
        margin-bottom: 1em;
        padding: .5em }
  .thick { border-width: thick }
  .medium { border-width: medium }
  .thin { border-width: thin }
  .groove { border-style: groove }
  .inset { border-style: inset }
  .outset { border-style: outset }
  .red { border-color: red }
  .blue { border-color: blue }
</style>
```

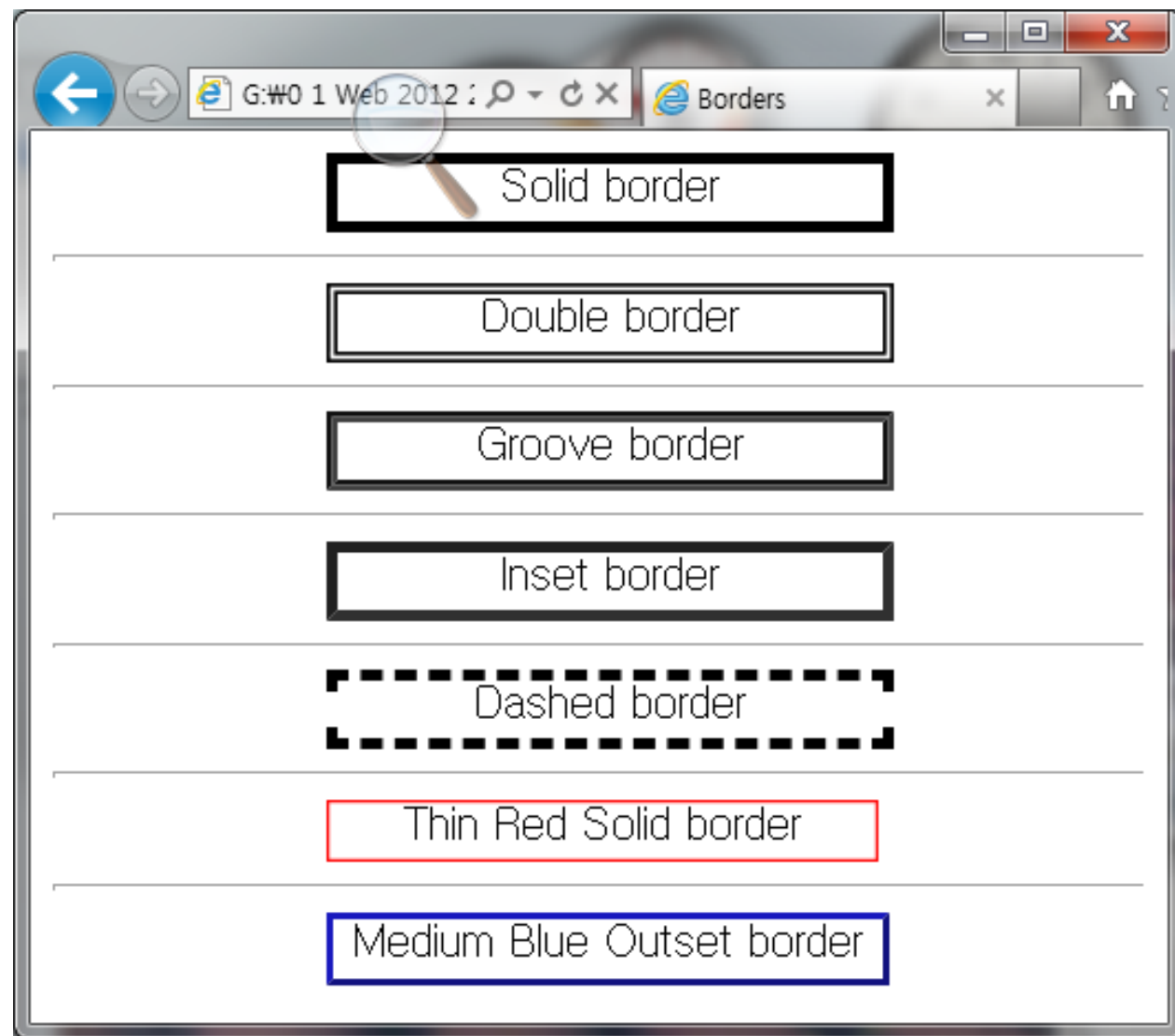
```
<div class = "thick groove">This text has a border</div>
<div class = "medium groove">This text has a border</div>
<div class = "thin groove">This text has a border</div>
<p class = "thin red inset">A thin red line...</p>
<p class = "medium blue outset">
  And a thicker blue line</p>
```

## Border Setting



```
<style type = "text/css">
    body { background-color: #ccffcc }
    div { text-align: center;
          margin-bottom: 1em;
          padding: .5em }
    .thick { border-width: thick }
    .medium { border-width: medium }
    .thin { border-width: thin }
    .groove { border-style: groove }
    .inset { border-style: inset }
    .outset { border-style: outset }
    .red { border-color: red }
    .blue { border-color: blue }
```

```
<div class = "thick groove">This text has
a border</div>
<div class = "medium groove">This text has
a border</div>
<div class = "thin groove">This text has
a border</div>
<p class = "thin red inset">A thin red line...</p>
<p class = "medium blue outset">
And a thicker blue line</p>
```

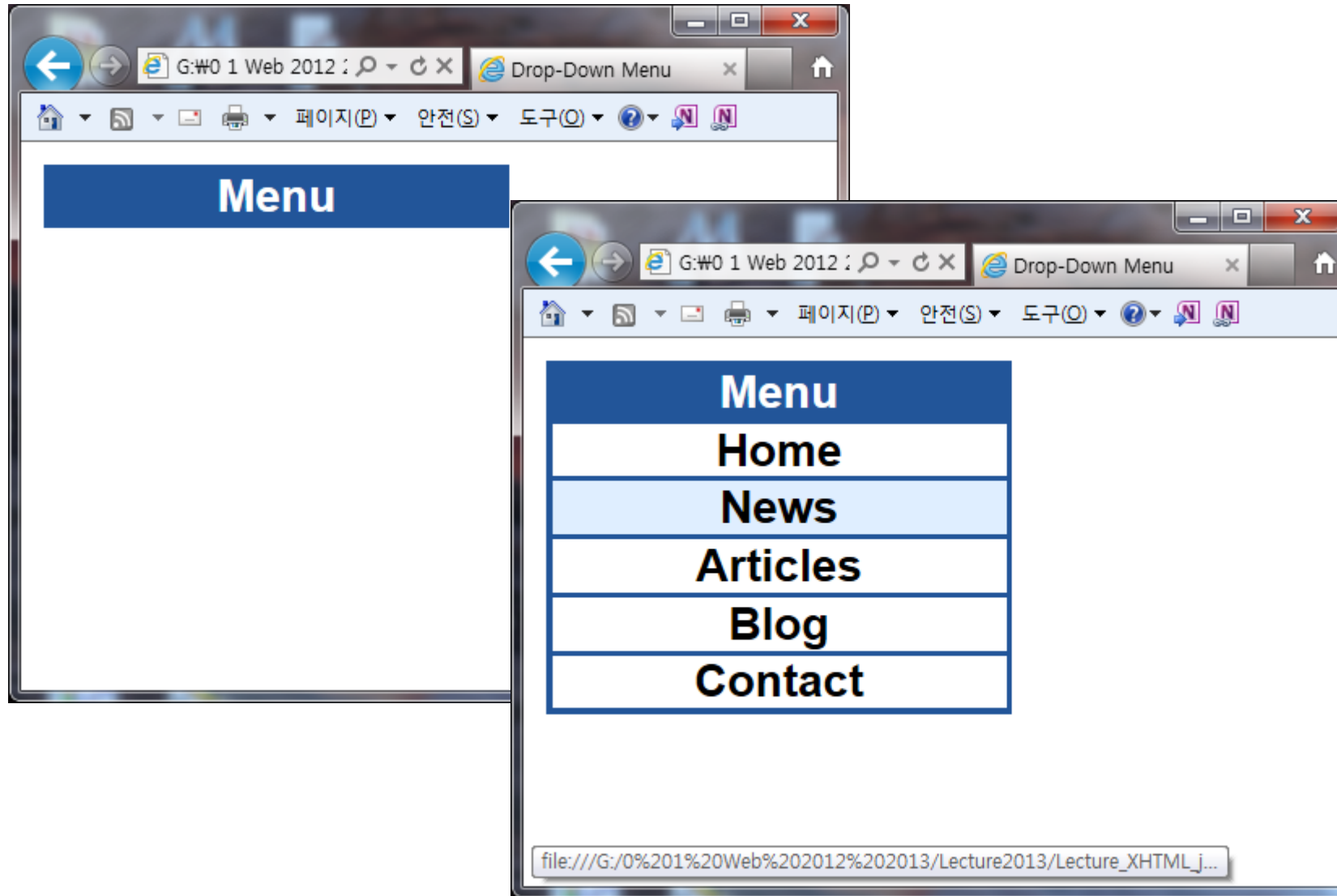


```
<style type = "text/css">
    div    { text-align: center;
              width: 50%;
              position: relative;
              left: 25%;
              border-width: 4px }
    .medium { border-width: medium }
    .thin   { border-width: thin }
    .solid   { border-style: solid }
    .double  { border-style: double }
    .groove  { border-style: groove }
    .inset   { border-style: inset }
    .outset  { border-style: outset }
    .dashed  { border-style: dashed }
    .red     { border-color: red }
    .blue    { border-color: blue }
</style>
```

```
<body>
    <div class = "solid">Solid
border</div> <hr />
    <div class = "double">Double
border</div> <hr />
    <div class = "groove">Groove
border</div> <hr />
    <div class = "inset">Inset
border</div> <hr />
    <div class = "dashed">Dashed
border</div> <hr />
    <div class = "thin red solid">Thin
Red Solid border</div> <hr />
    <div class = "medium blue
outset">Medium Blue Outset
border</div>
</body>
```

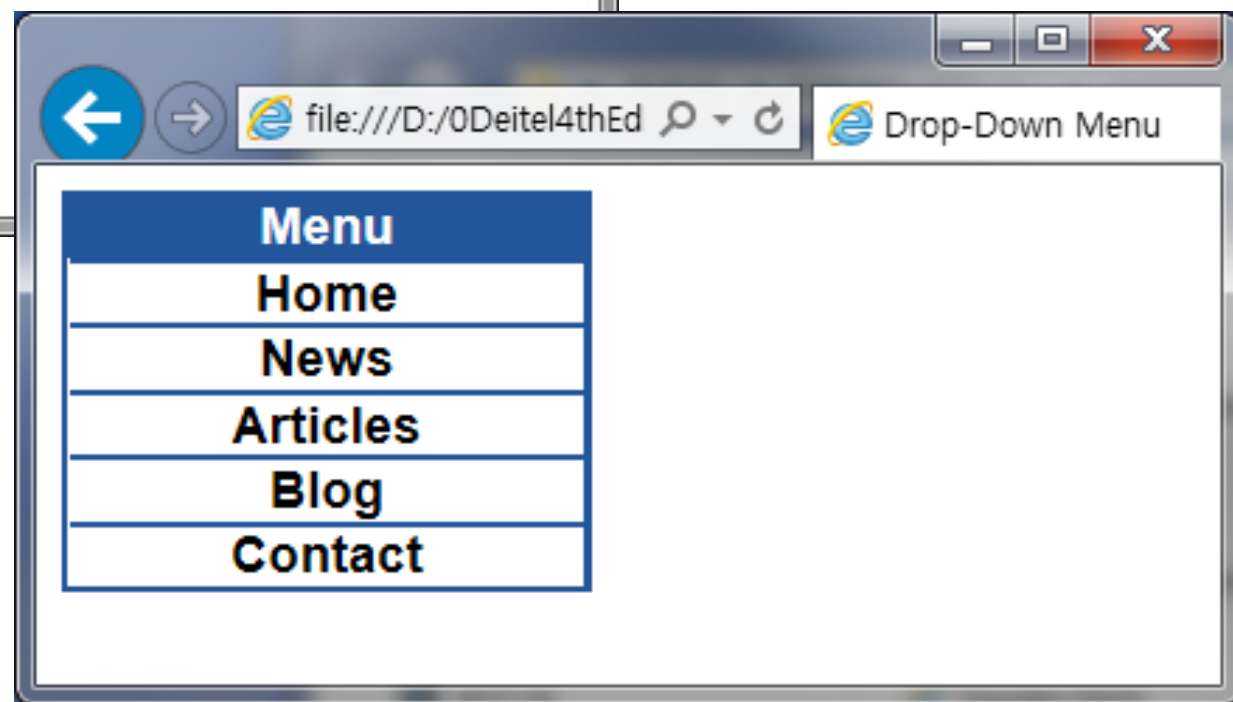
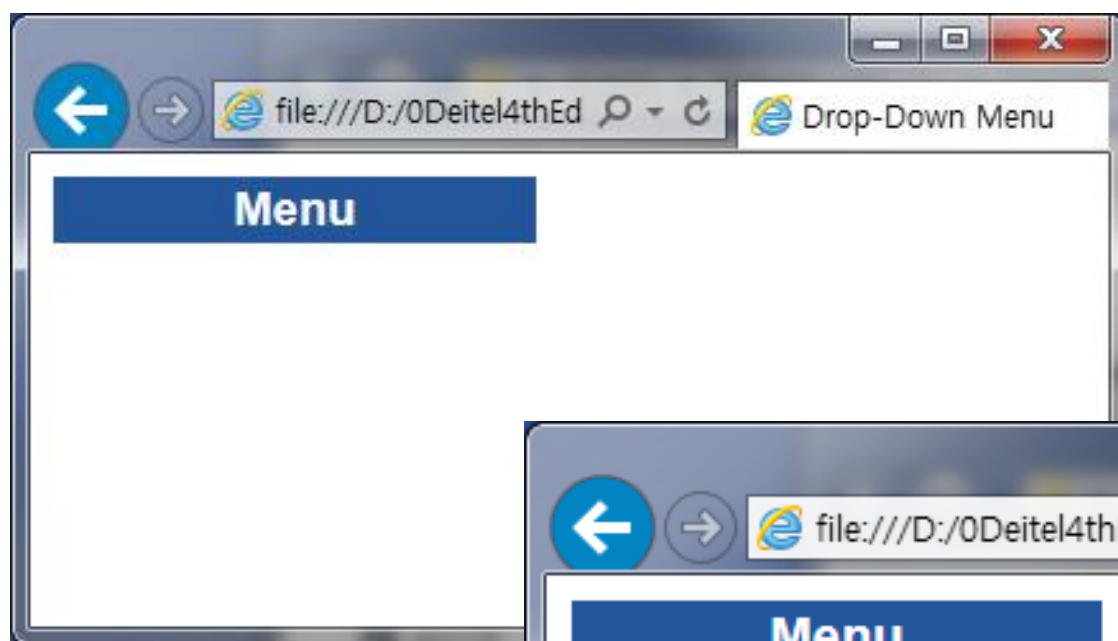
**borders\_4thE.html**

# CSS Dropdown Menu

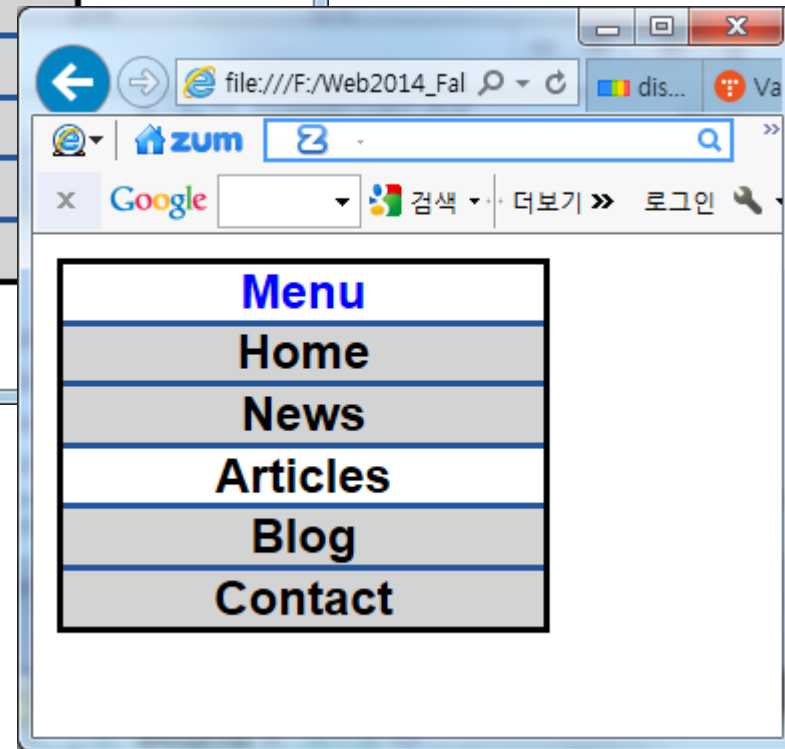
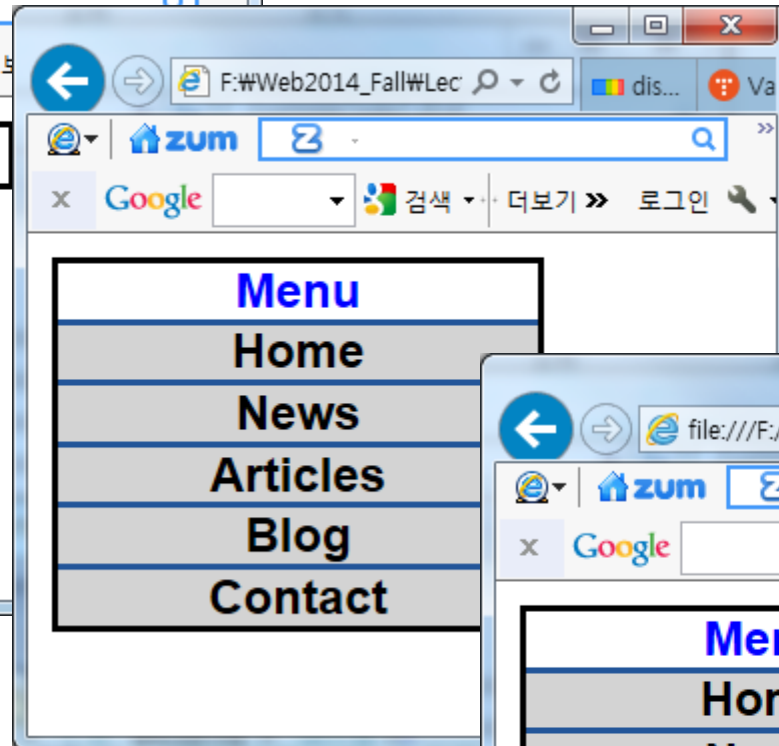
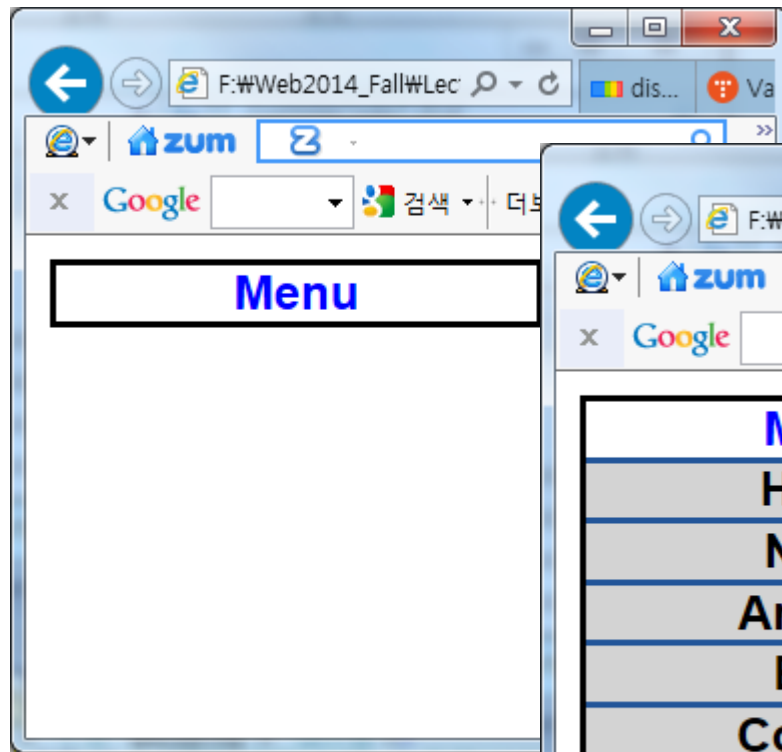


```
<style type = "text/css">
    body          { font-family: arial, sans-serif }
    div.menu      { font-weight: bold;
                    color: white;
                    border: 2px solid #225599;
                    text-align: center;
                    width: 10em;
                    background-color: #225599
    div.menu:hover a { display: block }
    div.menu a     { display: none;
                    border-top: 2px solid #225599;
                    background-color: white;
                    width: 10em;
                    text-decoration: none;
                    color: black }
    div.menu a:hover { background-color: #dfeeff }
</style>
```

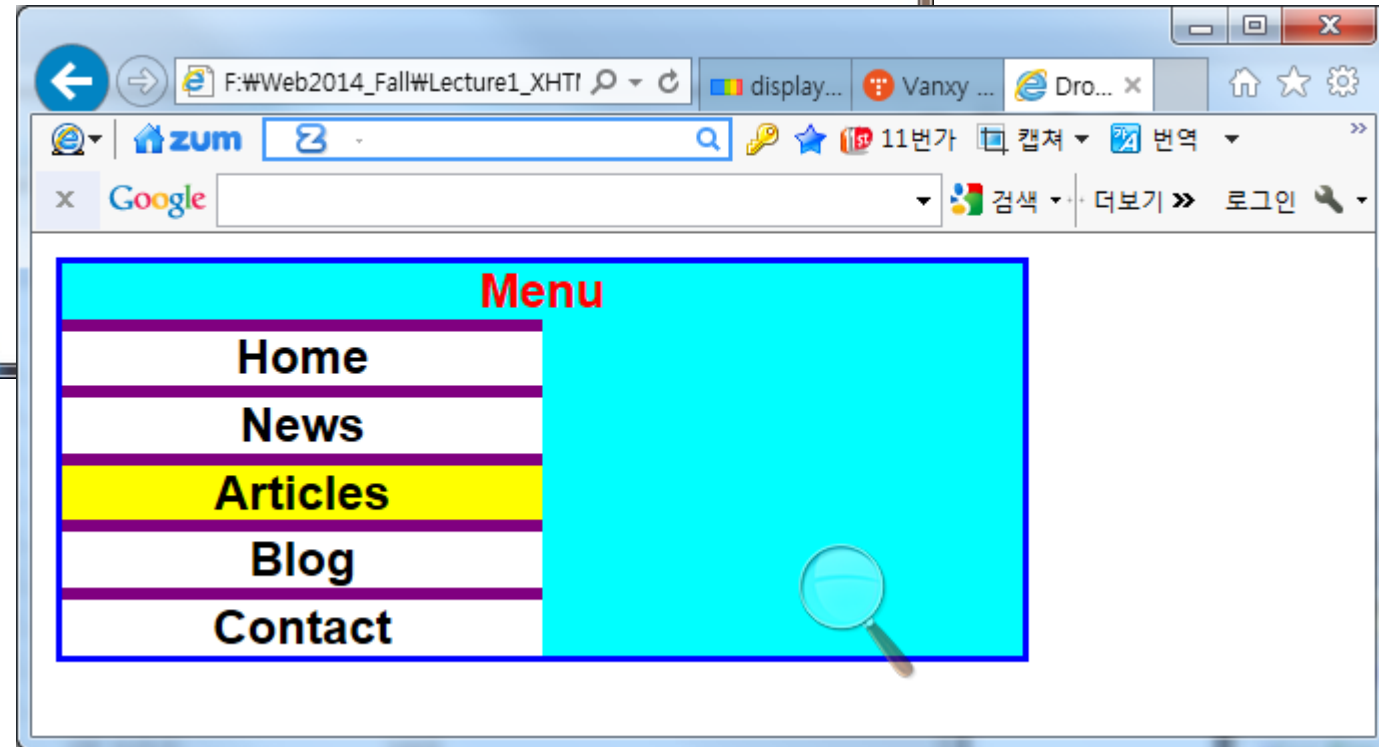
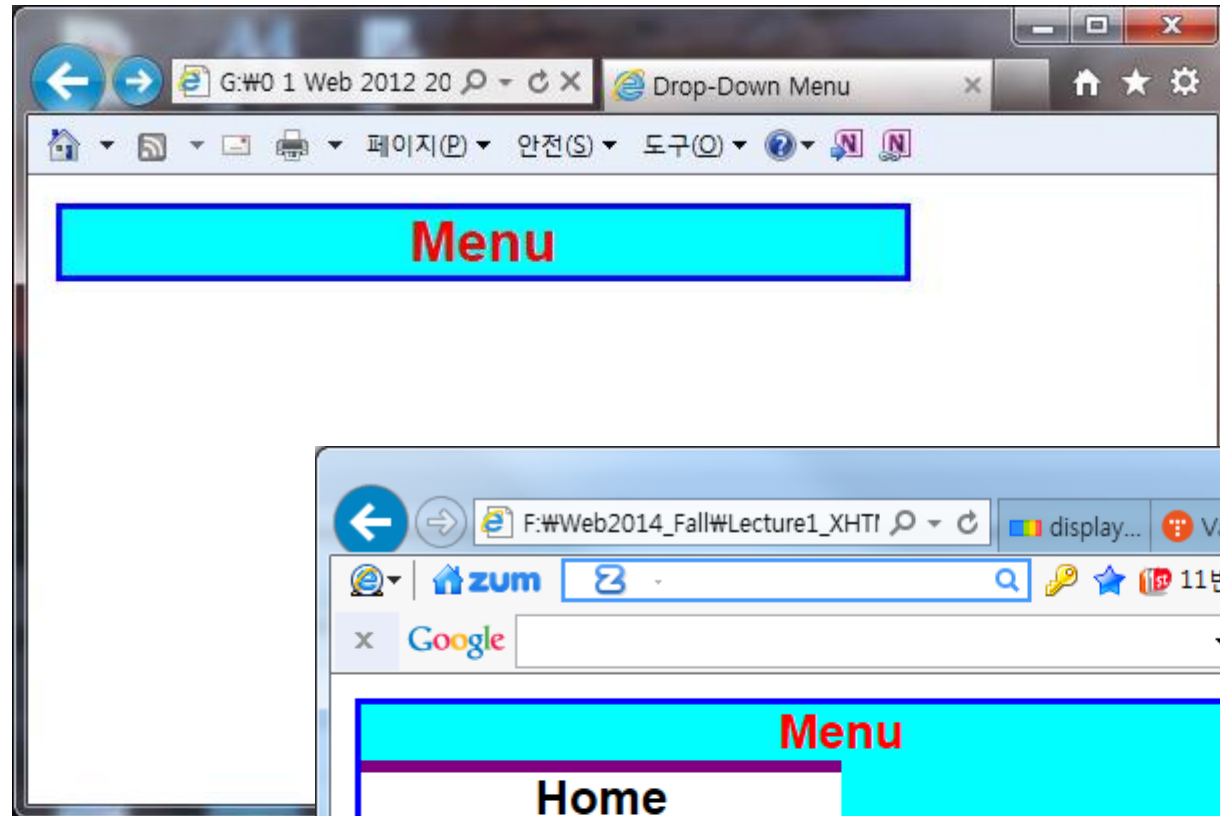
```
<div class = "menu">Menu
    <a href = "#">Home</a>
    <a href = "#">News</a>
    <a href = "#">Articles</a>
    <a href = "#">Blog</a>
    <a href = "#">Contact</a>
</div>
```





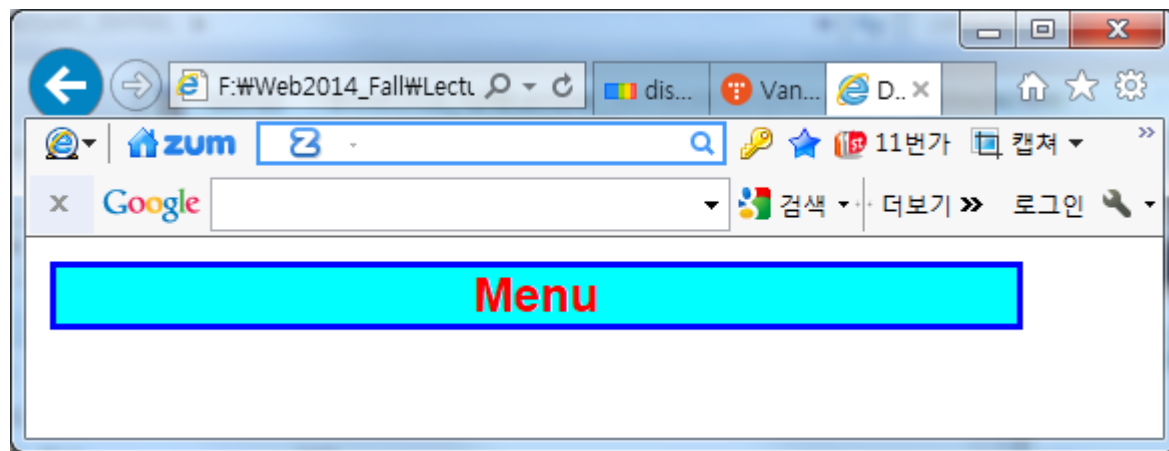


```
<style type = "text/css">
    body          { font-family: arial, sans-serif }
    div.menu1     { font-weight: bold;
                    color: blue;
                    border: 2px solid black;
                    text-align: center;
                    width: 10em;
                    background-color: white }
    div.menu1:hover a { display: block }
    div.menu1 a    {display: none;
                    border-top: 2px solid #225599;
                    background-color: lightgrey;
                    width: 10em;
                    text-decoration: none;
                    color: black }
    div.menu1 a:hover { background-color: white }
```



```
<style type = "text/css">
<style type = "text/css">
    body          { font-family: arial, sans-serif }
    div.menu1      { font-weight: bold;
                    color: red;
                    border: 2px solid blue;
                    text-align: center;
                    width: 20em;
                    background-color: cyan }
    div.menu1:hover a { display: block }
    div.menu1 a     {display: none;
                    border-top: 4px solid purple;
                    background-color: white;
                    width: 10em;
                    text-decoration: none;
                    color: black }
    div.menu1 a:hover { background-color: yellow }
</style>
```

```
<div class = "menu1">Menu
    <a href = "#">Home</a>
    <a href = "#">News</a>
    <a href = "#">Articles</a>
    <a href = "#">Blog</a>
    <a href = "#">Contact</a>
</div>
```



```
<style type = "text/css">
    body          { font-family: arial, sans-serif }
    div.menu1     { font-weight: bold;
                    color: red;
                    border: 2px solid blue;
                    text-align: center;
                    width: 20em;
                    background-color: cyan }
    div.menu1:hover a { display: inline }
    div.menu1 a    {display: none;
                    border-top: 4px solid purple;
                    background-color: white;
                    width: 10em;
                    text-decoration: none;
                    color: black }
    div.menu1 a:hover { background-color: yellow }
</style>
```

```
<body>
    <div class = "menu1">
        <a href = "#">Home</a>
        <a href = "#">News</a>
        <a href = "#">Articles</a>
        <a href = "#">Blog</a>
        <a href = "#">Contact</a>
    </div>
```