

CSS for XML (Cascading Style Sheet)

Part 1

w3school

What is CSS?

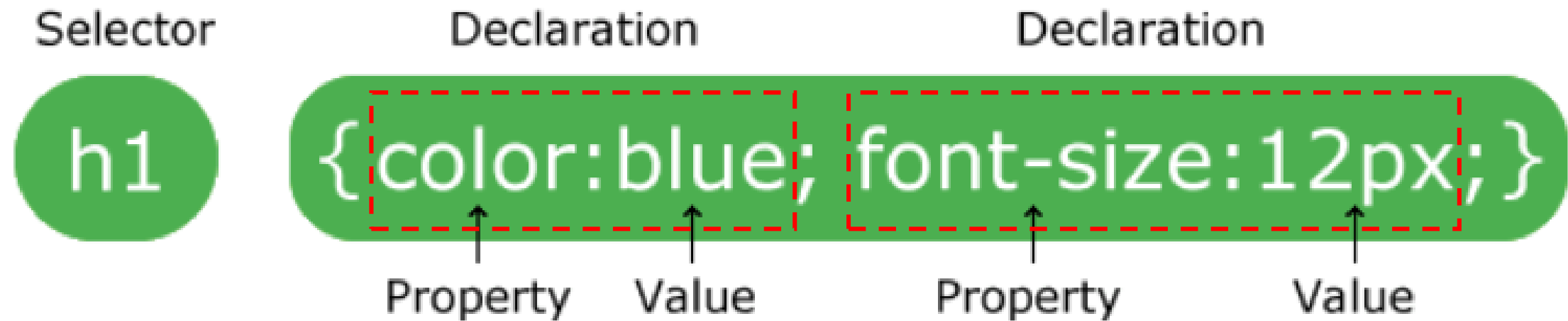
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- **CSS** stands for **C**ascading **S**tyle **S**heets
- CSS describes **how XML and HTML elements are to be displayed** on screen or in other media
- CSS **saves a lot of work**. It can control the layout of multiple web pages all at once

CSS Syntax

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A CSS rule-set consists of a selector and a declaration block:



The selector points to the HTML element you want to style.

The declaration block contains one or more declarations separated by semicolons.

Each declaration includes a CSS property name and a value, separated by a colon.

CSS/HTML support 140 standard color names.

Try to remember at least 20 color names.

CSS Color Names

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In CSS, a color can be specified by using a color name:

Tomato

Orange

DodgerBlue

MediumSeaGreen

Gray

SlateBlue

Violet

LightGray

Blue

Aqua

Indigo

LawnGreen

DarkBlue

Aquamarine

Maroon

Purple

Lime

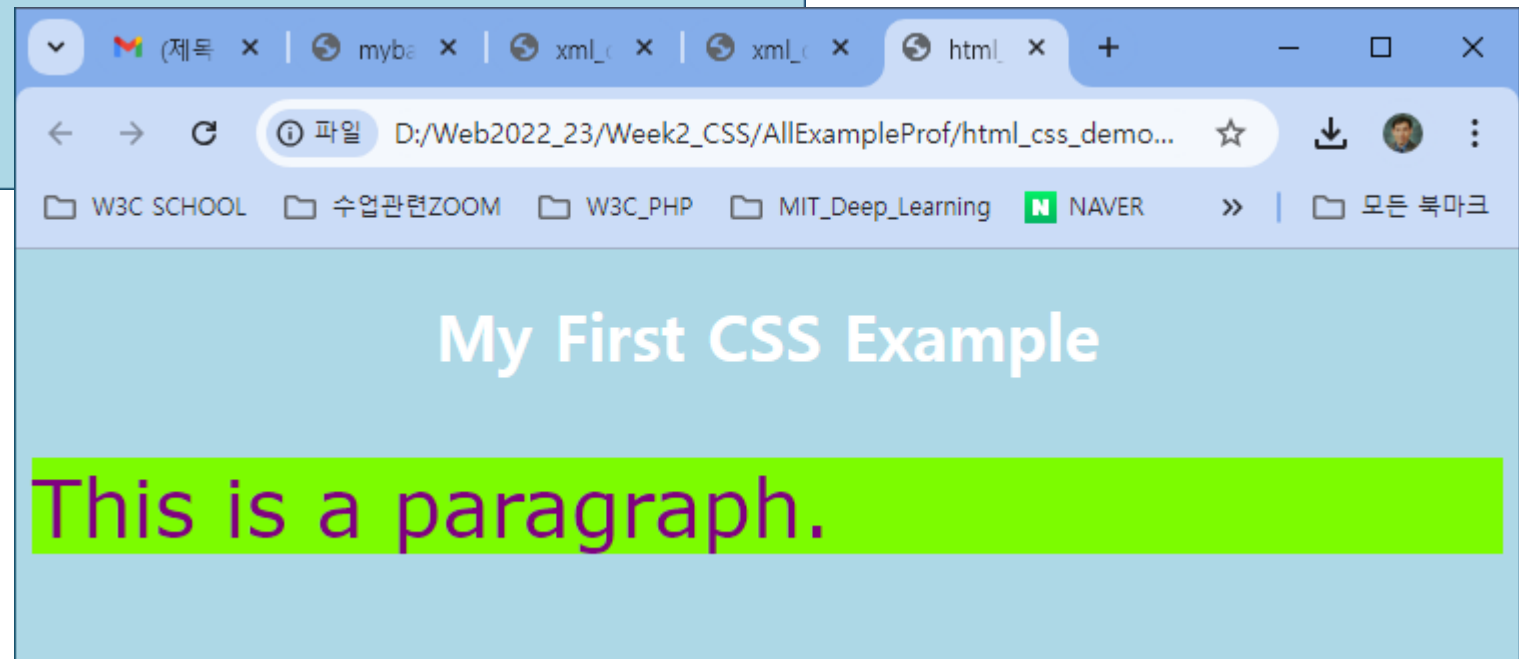
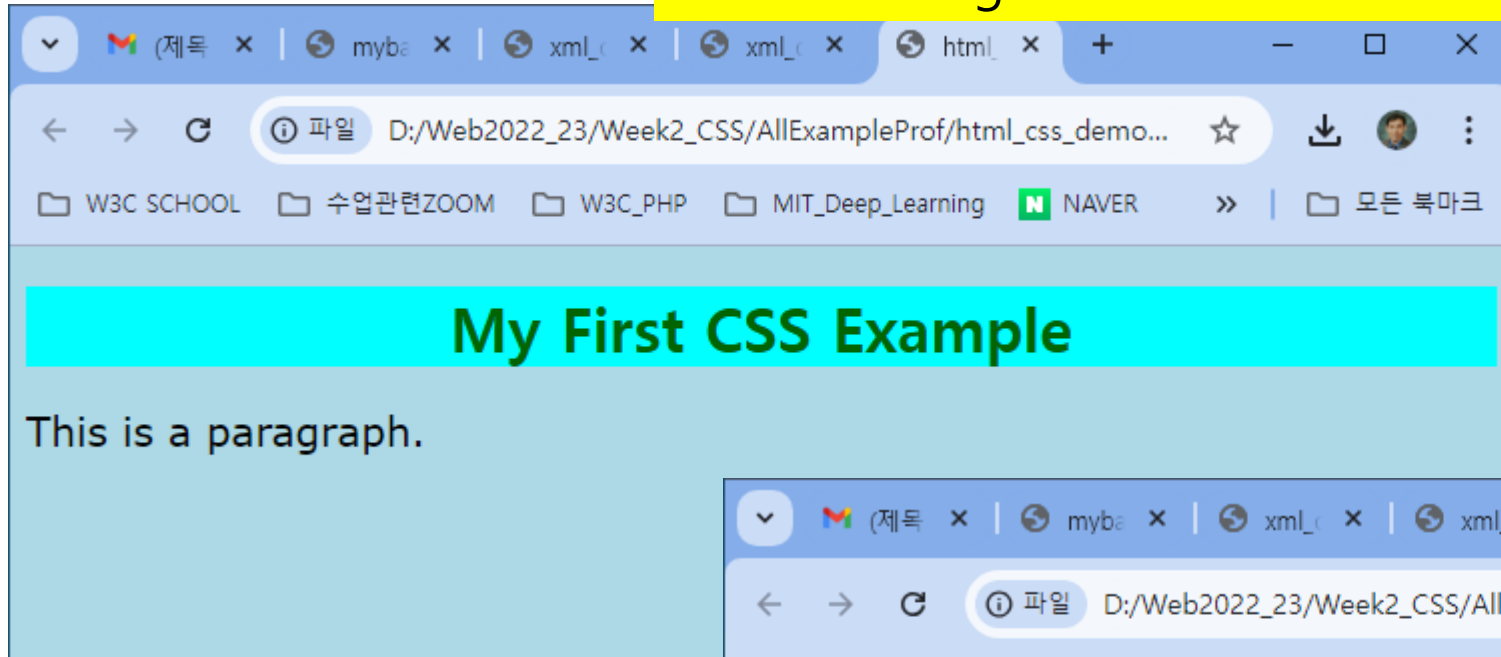
```
<!DOCTYPE html>
<html>
<head>
<style>
body {
  background-color: lightblue;
}
h1 {
  color: white;
  text-align: center;
}
p {
  font-family: verdana;
  font-size: 20px;
}
</style>
</head>
<body>
<h1>My First CSS Example</h1>
<p>This is a paragraph.</p>
</body>
</html>
```

html_css_demo1.html

My First CSS Example

This is a paragraph.

Extend the source code for the shown effects with hovering.



```
<!DOCTYPE html>
<html>
<head>
<style>
body {
  background-color: lightblue;
}
h1 {
  color: white;
  text-align: center;
}
h1: hover {

font-size: 30px;
font-weight: bold;
color: DarkGreen;
text-align: center;
background-color: cyan;
}
```

```
p {
  font-family: verdana;
  font-size: 20px;
}
p: hover {

background-color: LawnGreen;
color: purple;
font-size: 40px;
}

</style>
</head>
<body>
<h1> My First CSS Example </h1>
<p> This is a paragraph. </p>
</body>
</html>
```

```
<?xml version="1.0" encoding="euc-kr" standalone="yes"?>  
<?xml-stylesheet type="text/css" href="xml_css1.css"?>  
<xmlCssDemo>  
  <title>  
    <name>My First CSS Example</name>  
  </title>  
  <paragraph>  
    <contents>This is a paragraph.</contents>  
  </paragraph>  
</xmlCssDemo>
```



Try to provide a CSS for the given effect.


```
<?xml version="1.0" encoding="euc-kr" standalone="yes"?>
<?xml-stylesheet type="text/css" href="xml_css1.css"?>
<xmlCssDemo>
<title>
<name>My First CSS Example</name>
</title>
<paragraph>
<contents>This is a paragraph.</contents>
</paragraph>
</xmlCssDemo>
```



xmlCssDemo

```
{
  _____: lightblue;
}
title, paragraph
{
  _____: block;
}
title
{
  _____: 40px;
  _____: center;
  _____: white;
}
paragraph
{
  margin-top:30px;
  _____: 20px;
}
```

CSS Exercise

```
<?xml version="1.0" encoding="euc-kr" standalone="yes"?>
<?xml-stylesheet type="text/css" href="xml_css1.css"?>
<xmlCssDemo>
<title>
<name>My First CSS Example</name>
</title>
<paragraph>
<contents>This is a paragraph.</contents>
</paragraph>
</xmlCssDemo>
```

```
xmlCssDemo
{
background-color: lightblue;
}
title, paragraph
{
display: block;
}
title
{
font-size: 40px;
text-align: center;
color: white;
}
paragraph
{
margin-top:30px;
font-size: 20px;
}
```

```
<!DOCTYPE html>
<html>
<body>
<h1 style="background-color:DodgerBlue;">Hello World</h1>
<p style="background-color:Tomato;">
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat.
Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat.
</p>

</body>
</html>
```

Think about the combination of data and presentation in HTML.

html_css_demo2.html

Hello World

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat.

```
<?xml version="1.0" encoding="euc-kr" standalone="yes"?>
<?xml-stylesheet type="text/css" href="xml_css2.css"?>
<xmlCssDemo>
<title>
<name>Hello World</name>
</title>
<paragraph>
<contents>Lorem ipsum dolor sit amet, consectetur adipiscing elit,
sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam
erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exerci tation
ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat.
</contents>
</paragraph>
</xmlCssDemo>
```

Try to provide a CSS for the given effect.



Hello World

Lorem ipsum dolor sit amet, consectetur adipi
laoreet dolore magna aliquam erat volutpat. Ut
ullamcorper suscipit lobortis nisl ut aliquip ex e

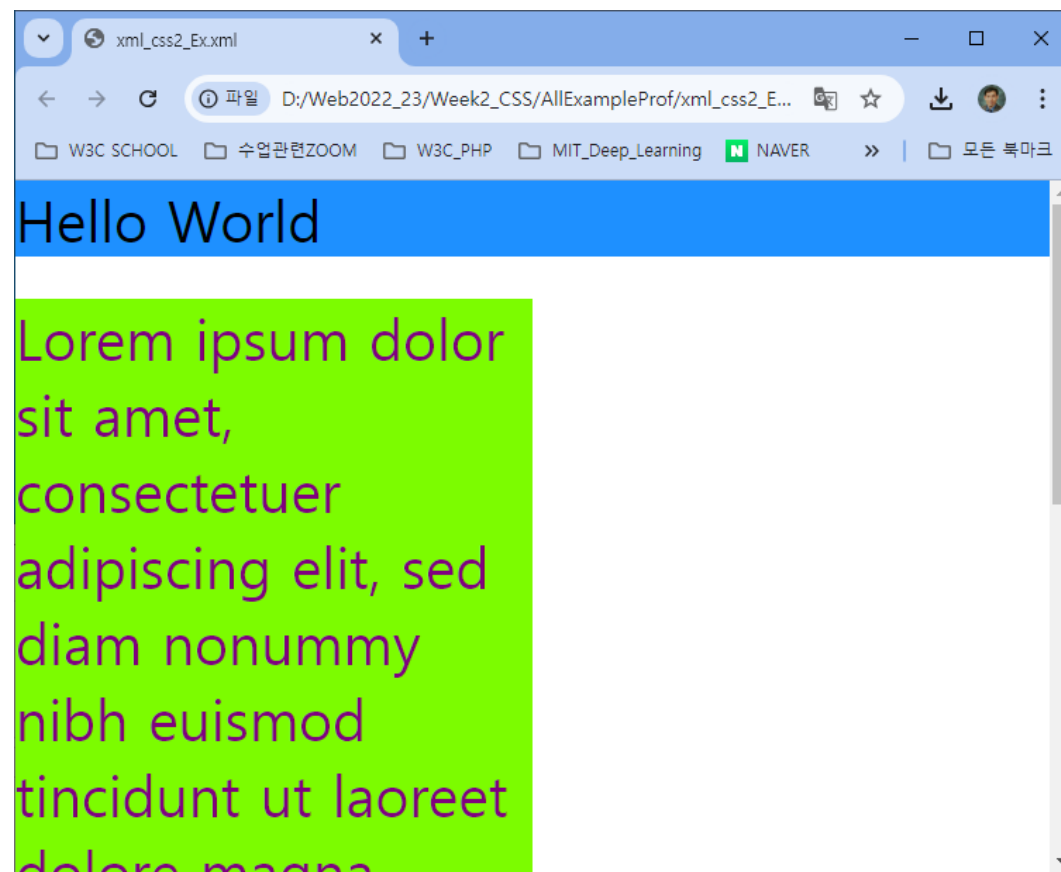
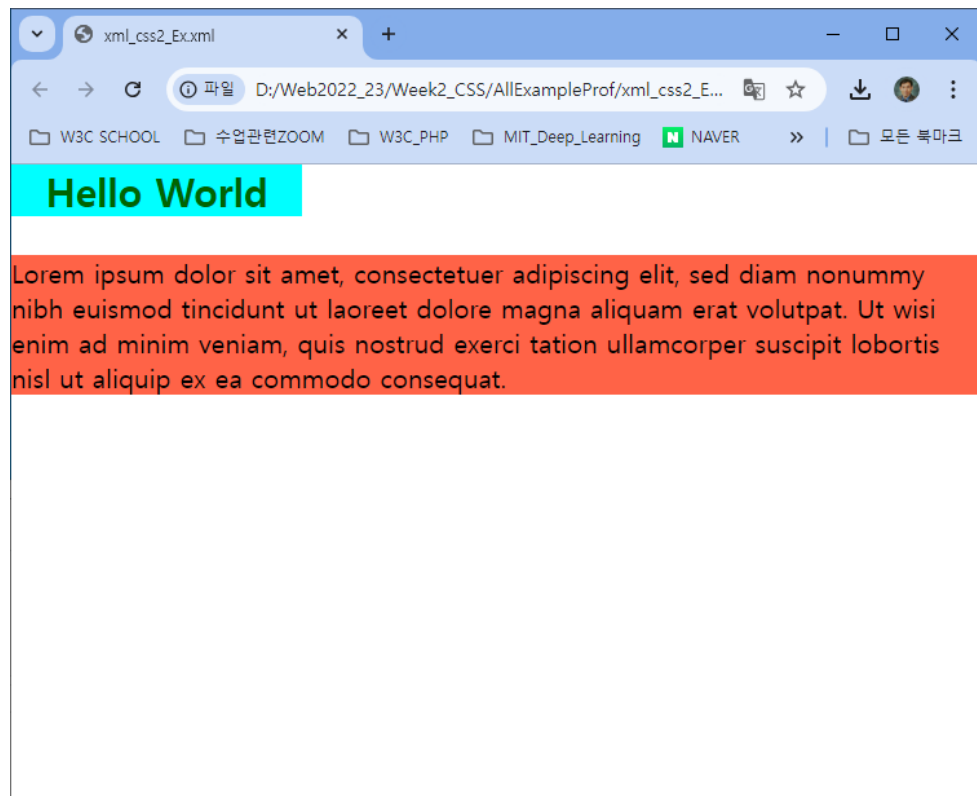
```
<?xml version="1.0" encoding="euc-kr"
standalone="yes"?>
<?xml-stylesheet type="text/css" href="xml_css2.css"?>
<xmlCssDemo>
<title>
<name>Hello World</name>
</title>
<paragraph>
<contents>Lorem ipsum ...
</contents>
</paragraph>
</xmlCssDemo>
```

Hello World

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut elit tellus, luctus nec ullamcorper mattis, pulvinar dapibus leo.

```
title, paragraph
{
    text-align: center;
    border: 1px solid black;
    padding: 10px;
}
title
{
    font-size: 40px;
    color: DodgerBlue;
}
paragraph
{
    font-size: 20px;
    color: Tomato;
}
```

Extend the source code for the shown effects with hovering.



```
<!DOCTYPE html>
<html>
<body>
<h3 style="color:Tomato;">Hello World</h3>
<p style="color:DodgerBlue;">Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed
diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat.</p>
<p style="color:MediumSeaGreen;">Ut wisi enim ad minim veniam, quis nostrud exerci
tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat.</p>
</body>
</html>
```

html_css_demo3.html

Hello World

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat.

Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat.

```
<?xml version="1.0" encoding="euc-kr" standalone="yes"?>
<?xml-stylesheet type="text/css" href="xml_css3.css"?>
<xmlCssDemo>
<title>
<name>Hello World</name>
</title>
<paragraph1>
<contents>Lorem ipsum dolor sit amet, consectetur adipiscing elit,
sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna
aliquam erat volutpat.
</contents>
</paragraph1>

<paragraph2>
<contents2>Lorem ipsum dolor sit amet, consectetur adipiscing elit,
sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna
aliquam erat volutpat.
</contents2>

</paragraph2>
</xmlCssDemo>
```

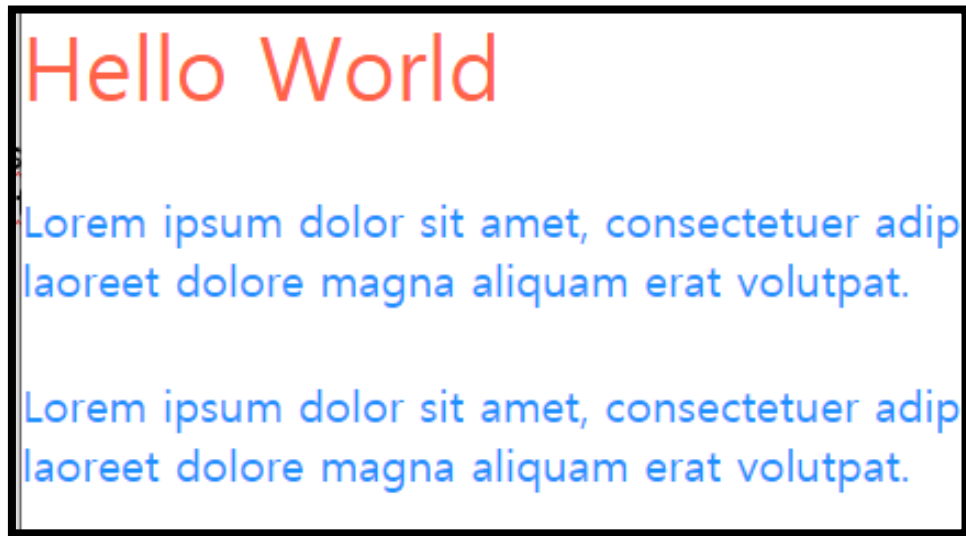
Try to provide a CSS for the given effect.

Hello World

Lorem ipsum dolor sit amet, consectetur adipiscing elit,
sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat.

Lorem ipsum dolor sit amet, consectetur adipiscing elit,
sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat.


```
<?xml version="1.0" encoding="euc-kr" standalone="yes"?>
<?xml-stylesheet type="text/css" href="xml_css3.css"?>
<xmlCssDemo>
<title>
<name>Hello World</name>
</title>
<paragraph1>
<contents>Lorem ....
</contents>
</paragraph1>
<paragraph2>
<contents2>Lorem ipsum dolor ....
</contents2>
</paragraph2>
</xmlCssDemo>
```



```
title, paragraph1, paragraph2
{
display: block;
}
title
{
font-size: 40px;
_____:Tomato;
}
paragraph1
{
margin-_____:30px;
font-size: 20px;
_____:DodgerBlue
}
paragraph2
{
_____:30px;
font-size: 20px;
_____:DodgerBlue
}
```

<?xml version="1.0" encoding="euc-kr" standalone="yes"?>

<?xml-stylesheet type="text/css" href="mail2.css"?>

<mail>

<receiver>

<name>Tom</name>

<mail-address>iij@hanmail.net</mail-address>

</receiver>

<body>

<contents>Submit proposal.</contents>

<postscript>Due 5 pm.</postscript>

<attached-file>form.doc</attached-file>

</body>

<sender>

<name>Jane</name>

<mail-address>danny@goodnews.or.kr</mail-address>

</sender>

</mail>

Tom iij@hanmail.net

Submit proposal. Due 5 pm. form.doc

Jane danny@goodnews.or.kr

receiver, sender, body

```
{  
display: block;  
}
```

sender

```
{  
text-align: right;  
}
```

name, contents

```
{  
font-weight: bold;  
}
```

**mail-address, postscript,
attached-file**

```
{  
font-style: italic;  
}
```

```
<?xml version="1.0" encoding="euc-kr"  
standalone="yes"?>  
<?xml-stylesheet type="text/css" href="mail2.css"?>  
<mail>  
  <receiver>  
    <name>Tom</name>  
    <mail-address>iij@hanmail.net</mail-address>  
  </receiver>  
  <body>  
    <contents>Submit proposal.</contents>  
    <postscript>Due 5 pm.</postscript>  
    <attached-file>form.doc</attached-file>  
  </body>  
  <sender>  
    <name>Jane</name>  
    <mail-address>danny@goodnews.or.kr</mail-address>  
  </sender>  
</mail>
```

Tom *iij@hanmail.net*

Submit proposal. *Due 5 pm. form.doc*

Jane *danny@goodnews.or.kr*