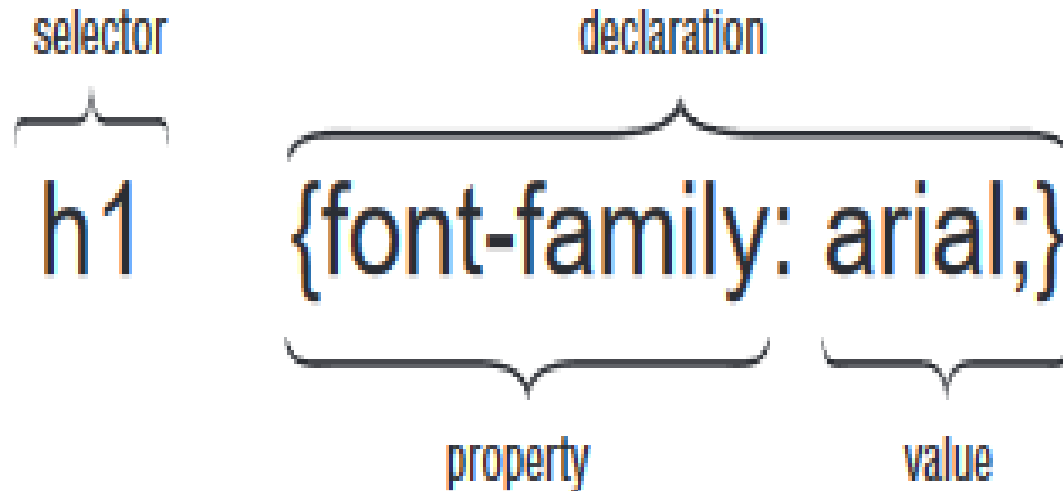
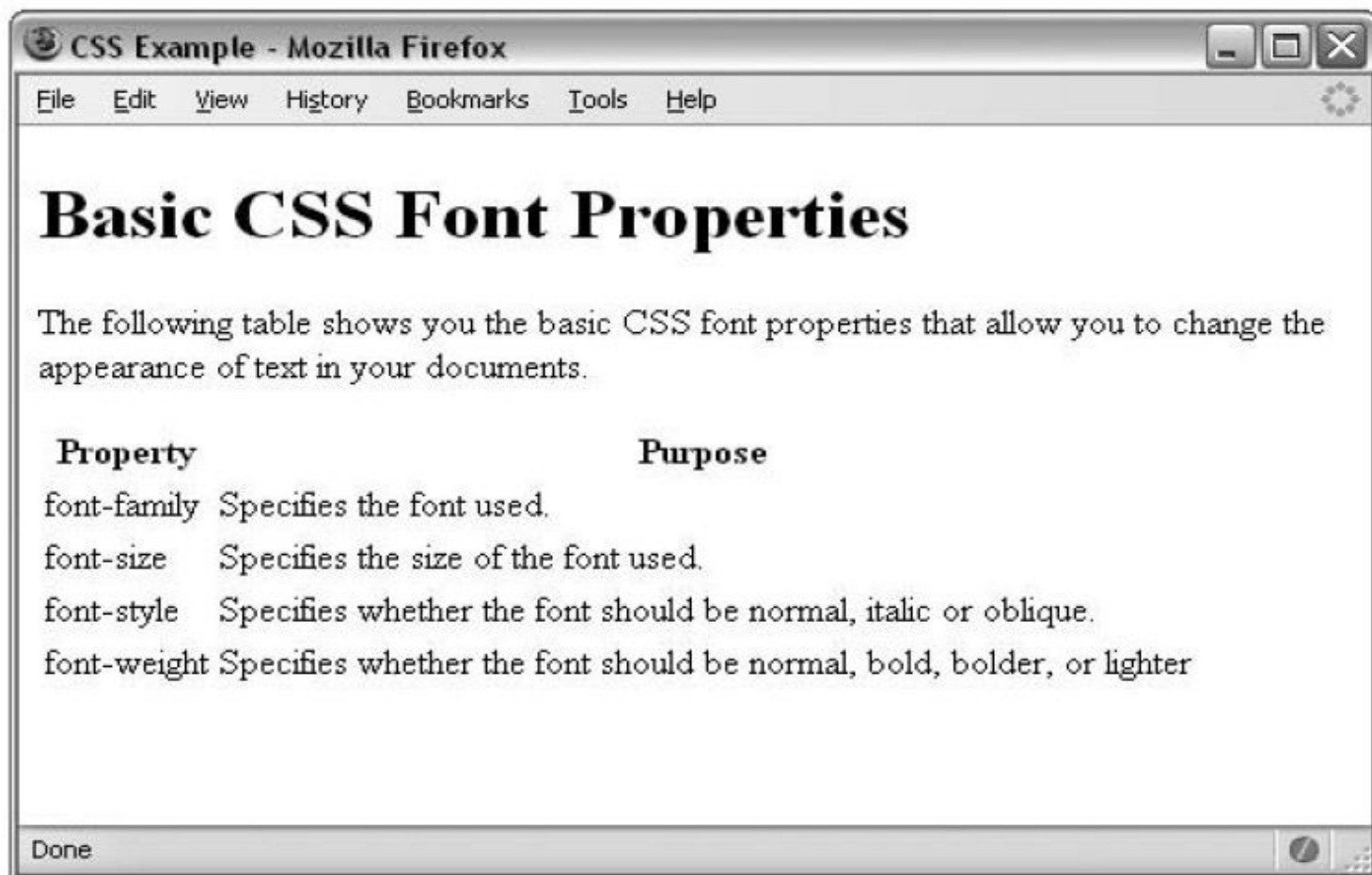


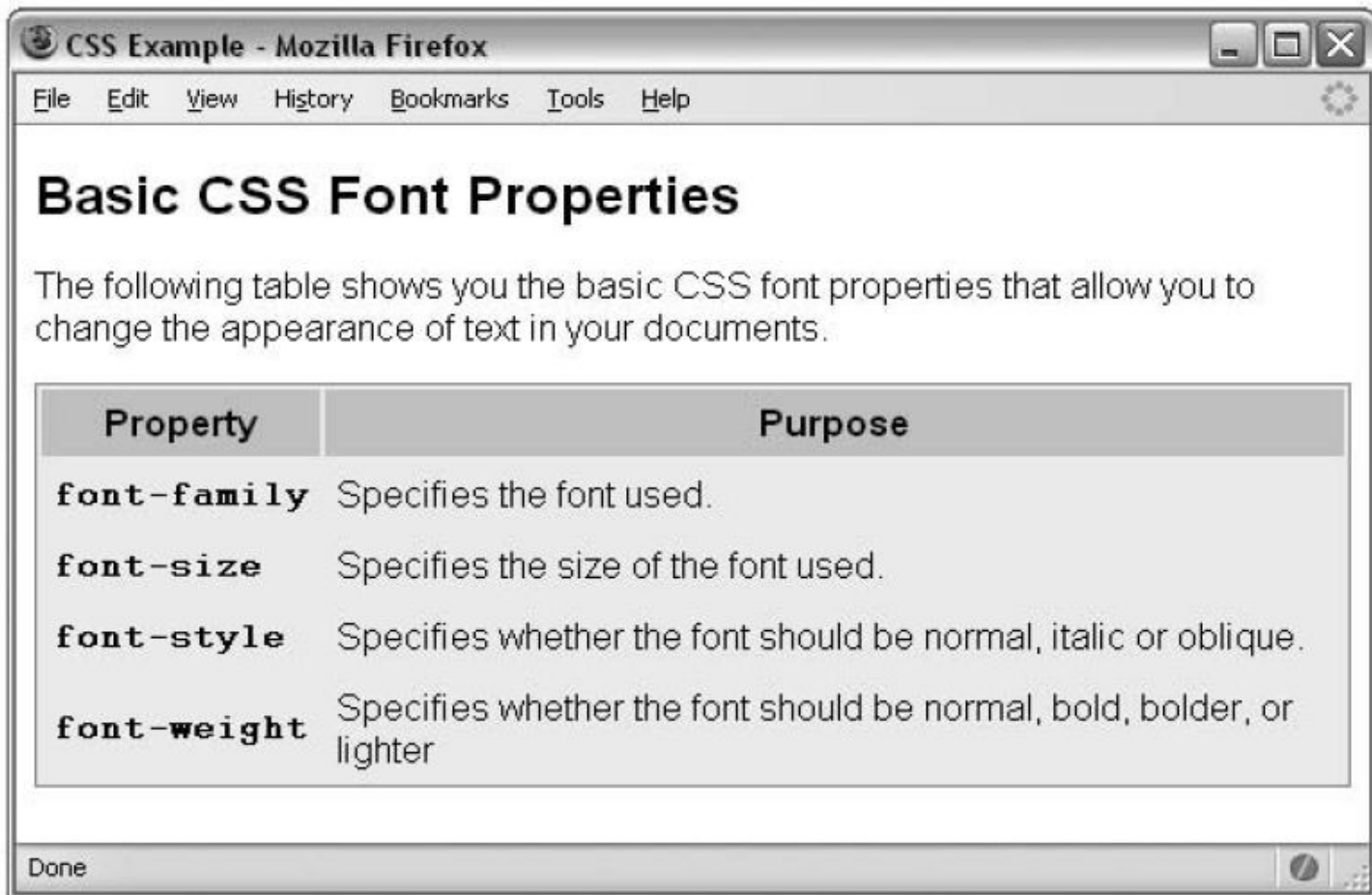
# CSS & Java Script

# CSS Syntax



```
h1, h2, h3 {  
    font-weight:bold;  
    font-family:arial, verdana, sans-serif;  
    color:#000000;  
    background-color:#FFFFFF;}
```





```

<?xml version="1.0" encoding="iso-8859-1"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
    "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" lang="en">
<head>
    <title>CSS Example</title>
    <link rel="stylesheet" type="text/css" href="ch07_eg01.css" />
</head>
<body>
<h1>Basic CSS Font Properties</h1>
<p>The following table shows you the basic CSS font properties that allow you
to change the appearance of text in your documents.</p>
<table>
    <tr>
        <th>Property</th>
        <th>Purpose</th>
    </tr>
    <tr>
        <td class="code">font-family</td>
        <td>Specifies the font used.</td>
    </tr>
    <tr>
        <td class="code">font-size</td>
        <td>Specifies the size of the font used.</td>
    </tr>
    <tr>
        <td class="code">font-style</td>
        <td>Specifies whether the font should be normal, italic or oblique.</td>
    </tr>
    <tr>
        <td class="code">font-weight</td>
        <td>Specifies whether the font should be normal, bold, bolder,
        or lighter</td>
    </tr>
</table>
</body>
</html>

```

```
body {  
  color:#000000;  
  background-color:#ffffff;  
  font-family:arial, verdana, sans-serif; }
```

```
h1 {font-size:18pt;}  
p {font-size:12pt;}
```

```
table {  
    background-color:#efefef;  
    border-style:solid;  
  
    border-width:1px;  
    border-color:#999999;}
```

```
th {  
    background-color:#cccccc;  
    font-weight:bold;  
    padding:5px;}
```



```
td {padding:5px;}
```

```
td.code {  
    font-family:courier, courier-new, serif;  
    font-weight:bold;}
```

# How to insert CSS in a web page

- Inline

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

<h1 style="color:blue;margin-left:30px;">This is a heading</h1>
<p>This is a paragraph.</p>

</body>
</html>
```

This is a heading

This is a paragraph.

- Embedded

```
<!DOCTYPE html>
<html>
<head>
<style>
body {
    background-color: linen;
}
h1 {
    color: maroon;
    margin-left: 40px;
}
</style>
</head>
<body>

<h1>This is a heading</h1>
<p>This is a paragraph.</p>

</body>
</html>
```

# This is a heading

This is a paragraph.

- External

```
<link rel="stylesheet" type="text/css"  
href="../stylesheets/interface.css" />
```

# CSS Selector

- CSS Element Selector

## CSS Syntax

```
element {  
    css declarations;  
}
```

```
<!DOCTYPE html>
<html>
<head>
<style>
p {
    background-color: yellow;
}
</style>
</head>
<body>
<h1>Welcome to My Homepage</h1>
    <p>My name is Mickey.</p>
    <p>I live in Duckburg.</p>
    <p>My best friend is Mickey.</p>
</body>
</html>
```

# Welcome to My Homepage

My name is Mickey.

I live in Duckburg.

My best friend is Mickey.

- CSS Id Selector

## CSS Syntax

```
#id {  
    css declarations;  
}
```

```
<!DOCTYPE html>
<html>
<head>
<style>
#firstname {
    background-color: yellow;
}
</style>
</head>
<body>
<h1>Welcome to My Homepage</h1>
  <p id="firstname">My name is Donald.</p>
  <p>I live in Duckburg.</p>
<p>My best friend is Mickey.</p>

</body>
</html>
```

# Welcome to My Homepage

My name is Donald.

I live in Duckburg.

My best friend is Mickey.



- **3) CSS Class Selector**

## CSS Syntax

```
.class {  
    css declarations;  
}
```

```
<!DOCTYPE html>
<html>
<head>
<style>
.intro {
    background-color: yellow;
}
</style>
</head>
<body>
<h1>Welcome to My Homepage</h1>
  <p class="intro">My name is Donald.</p>
  <p>I live in Duckburg.</p>
<p>My best friend is Mickey.</p>
</body>
</html>
```

# Welcome to My Homepage

My name is Donald.

I live in Duckburg.

My best friend is Mickey.

- CSS Universal Selector

## CSS Syntax

```
* {  
    css declarations;  
}
```

```
<!DOCTYPE html>
<html>
<head>
<style>
* {
  color: green;
  font-size: 20px;
}
</style>
</head>
<body>
<h2>This is heading</h2>
<p>This style will be applied on every paragraph.</p>
<p>Me too!</p>
<p>And me!</p>
</body>
</html>
```

**This is heading**

This style will be applied on every paragraph.

Me too!

And me!

# Font Properties

1. Font-family
2. Font-size
3. Font-weight
4. Font-style
5. Font-variant

|  |  |
|--|--|
| <b>font-family</b>   | <b>Specifies the family of font to be used</b> |
| <pre>p.one {font-family:arial, verdana, sans-serif;}       p.two {font-family:times, "times new roman", serif;}       p.three {font-family:courier, "courier new", serif;}</pre> |  |

|                  |   |
|------------------|---|
| <b>font-size</b> | <p><b>Specifies the size of a font</b></p> <ul style="list-style-type: none"> <li>• <b>Absolute size</b><br/>xx-small x-small small medium large x-large xx-large</li> <li>• <b>Relative size</b><br/>smaller larger</li> <li>• <b>Length</b><br/>px em ex pt in cm pc mm</li> <li>• <b>Percentage (in relation to parent element)</b><br/>%</li> </ul> |
|------------------|---|

```
p.one {font-size:xx-small;}
p.twelve {font-size:12px;}
p.thirteen {font-size:3pc;}
p.fourteen {font-size:10%;}
```

|                    |   |
|--------------------|---|
| <b>font-weight</b> | <b>Specifies whether the font should be normal, bold, or bolder than the containing element</b><br><br>normal bold bolder lighter 100 200 300 400 500 600 700 800 900 |
|--------------------|---|

```
p.one {font-weight:normal;}  
p.two {font-weight:bold;}  
p.three {font-weight:bolder;}  
p.four {font-weight:lighter;}  
p.five {font-weight:100;}  
p.six {font-weight:200;}
```



|  |  |
|--|--|
| <b>font-<br/>style</b>   | <b>Specifies whether the font should<br/>be normal, italic, or oblique</b> |
| <p>p.one {font-style:normal;}<br/>p.two {font-style:italic;}<br/>p.three {font-style:oblique;}</p> |  |

## font-variant

**There are two possible values for the font-variant property**

*Normal and small-caps*

A small caps font looks like a smaller version of the uppercase letterset.

```
p {font-variant:normal;}  
P {font-variant:small-caps;}
```

# Text Properties

1. Color
2. text-align
3. text-decoration
4. text-indent
5. text-transform
6. letter-spacing
7. word-spacing

|   |  |
|---|--|
| <b>Color</b>                              | <b>Specifies the color of the text</b> |
| <p>p {color:red;}<br/>P {color:blue;}</p> |  |

|   |   |
|---|---|
| <b>text-align</b>                                     | <p><b>Specifies the alignment of the text within its containing element</b></p> <p>left, right, center, justify</p> |
| <p>p {text-align:left;}<br/>P {text-align:right;}</p> |   |

|                        |   |
|------------------------|---|
| <b>text-decoration</b> | <b>Specifies whether the text should be underlined, overlined, line-through, or blink</b> |
|------------------------|---|

```
p {text-decoration:underlined;}  
P {text-decoration:blink;}
```

|  |  |
|--|--|
| <b>text-indent</b>                                   | <b>Specifies an indent from the left border for the text</b> |
| <p>p {text-indent:3px;}<br/>P {text-indent:3pt;}</p> |  |

|   |   |
|---|---|
| <b>text-<br/>transform</b>  | <b>Specifies that the content of the element<br/>should all be<br/>None, uppercase, lowercase, or<br/>capitalized</b> |
| <p>p {text-transform:none;}<br/>P {text-transform:capitalized;}</p> |   |



**letter-  
spacing**

**Controls the width between  
letters**

```
p {letter-spacing:10px;}
```

|                               |   |
|-------------------------------|---|
| <b>word-spacing</b>           | <b>Controls the amount of space between each word</b> |
| <p>p {word-spacing:20px;}</p> |   |

# Background Properties

- i. background-color
- ii. background-image
- iii. background-repeat
- iv. background-attachment
- v. background-position

|                                  |   |
|----------------------------------|---|
| <b>background-color</b>          | <b>Specifies a color that should be used for the background of the page</b> |
| <p>p {background-color:red;}</p> |   |

|   |   |
|---|---|
| <b>background-image</b>                             | <b>Sets an image to be in the background of a page or box</b> |
| <p>p {background-image: images/background.gif;}</p> |   |

|  |  |
|--|--|
| <b>background-repeat</b>                   | <b>Indicates whether the background image should be repeated across the page or box</b><br>repeat, repeat-x, repeat-y, no-repeat |
| <p>p { background-repeat: no-repeat; }</p> |  |

**background-  
attachment**

**background image fixed in one  
position on the page or it  
should stay in that position  
when the user scrolls down the  
page or not**

fixed, scroll

```
p { background-attachment:scroll;}
```

**background-  
position**

**Indicates where an image should be  
positioned**

x% y%, x y, left, center, right, left, top,  
bottom

p { background-position:right;}



# List Properties

1. list-style-type
2. list-style-position
3. list-style-image
4. marker-offset

## **list-style-type**

**Allows you to control the shape or appearance of the marker (bullet point or number)**

None, disc, circle, square

Decimal, decimal-leading-zero, lower-alpha, upper-alpha, lower-roman, upper-roman

**li.a {list-style:none;}**

**li.b {list-style:disc;}**

**li.c {list-style: upper-roman;}**

|   |  |
|---|--|
| <b>list-style-position</b>  | <p><b>Specifies whether a long item that takes up more than one line of text and therefore wraps to a second line should align with the first line or start underneath the start of the marker</b></p> |
| <p><code>ul {list-style-position:outside; }</code><br/><code>ol {list-style-position:inside; }</code></p> |  |

The following list has list-style-position: inside:

- Earl Grey Tea - A fine black teaEarl Grey Tea - A fine black teaEarl Grey Tea - A fine black teaEarl Grey Tea - A fine black teaEarl Grey Tea - A fine black tea

The following list has list-style-position: outside:

- Earl Grey Tea - A fineEarl Grey Tea - A fine black teaEarl Grey Tea - A fine black teaEarl Grey Tea - A fine black teaEarl Grey Tea - A fine black tea black tea

"list-style-position: outside" is the default setting.

|  |   |
|--|---|
| <b>list-style-image</b>                                      | <b>Specifies an image for the marker rather than a bullet point or number</b> |
| <b>li {list-style-image: url("images/bulletpoint.gif");}</b> |   |

|                                |   |
|--------------------------------|---|
| <b>marker-<br/>offset</b>      | <b>Specifies the distance<br/>between a marker and<br/>the text in the list</b> |
| <b>li {marker-offset:2em;}</b> |   |

# Link Properties

1.visited

2.active

3.hover

```
a {  
  font-family: arial, verdana, sans-serif;  
  font-size:12px;  
  font-weight:bold;}  
a:link {  
  color:#0000ff;  
  text-decoration:none;  
}
```



|                |  |   |
|----------------|--|---|
| <b>visited</b> | <b>Styles for links<br/>that have already<br/>been visited</b> | <b>a:visited {<br/>color:blue;<br/>text-decoration:none;}</b> |
|----------------|--|---|

**active**

**Styles for  
links that  
are  
currently  
active  
(being  
clicked)**

```
a:active {  
color:red;  
text-  
decoration:underline  
;}
```

**hover**  
**r**

**Styles for  
when someone  
is hovering  
over a link**

```
a:link:hover {  
background-  
color:red;  
text-  
decoration:underl  
ine;}
```