WEB PAGES DESIGN

Cascading Style Sheets (CSS)
Font Properties & Text Properties

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CSS font properties define the font family, boldness, size, and the style of a text.

❑ **Font Family:**

• Font family is the type of font used for rendering text similar to the fonts used we select in MS-WORD.

• To change the fonts we can use the font-family property with font names as comma separated values.

EX: font-family property

h1{font-family: Arial;}

h2{font-family:Arial,Verdana,"Times New Roman";}

In CSS, there are two types of font family names:

• generic family - a group of font families with a similar look (like "Serif" or "Monospace")

• font family - a specific font family (like "Times New Roman" or "Arial")

Font Properties

Ex: font-family property

Output:

```html
<html>
<head>
<style>
.p1 {
  font-family: "Times New Roman", Times, serif;
}

.p2 {
  font-family: Arial, Helvetica, sans-serif;
}

.p3 {
  font-family: "Lucida Console", "Courier New", monospace;
}
</style>
</head>
<body>
<h1>CSS font-family</h1>
<p class="p1">This is a paragraph, shown in the Times New Roman font.</p>
<p class="p2">This is a paragraph, shown in the Arial font.</p>
<p class="p3">This is a paragraph, shown in the Lucida Console font.</p>
</body>
</html>
```

CSS font-family

This is a paragraph, shown in the Times New Roman font.

This is a paragraph, shown in the Arial font.

This is a paragraph, shown in the Lucida Console font.

❑ **Font Style:**

- The font-style property is mostly used to specify whether the letters shape are vertical or slanted.

Value	Description
normal	The text is shown normally
italic	The text is shown in italics(curved letter forms)
oblique	The text is "leaning" (oblique is very similar to italic, it takes the normal font design and just slants it)

Ex: font-style property

p {font-style: italic;}

❑ **Font Size:**

- The font-size property specifies the size of the text.

Ex: font-size property

h1 {font-size:40px;}

h2 {font-size:150%;}

Font Properties

EX: font-style property

Output:

```html
<html>
<head>
<style>
p.normal {
  font-style: normal;
}

p.italic {
  font-style: italic;
}

p.oblique {
  font-style: oblique;
}
</style>
</head>
<body>

<h1>The font-style property</h1>
<p class="normal">This is a paragraph in normal style.</p>
<p class="italic">This is a paragraph in italic style.</p>
<p class="oblique">This is a paragraph in oblique style.</p>
</body>
</html>
```

The font-style property

This is a paragraph in normal style.

This is a paragraph in italic style.

This is a paragraph in oblique style.

Font Properties

EX: font-size property

Output:

```html
<html>
<head>
<style>
h1 {
   font-size: 40px;
}

h2 {
   font-size: 30px;
}

p {
   font-size: 14px;
}
</style>
</head>
<body>
<h1>This is heading 1</h1>
<h2>This is heading 2</h2>
<p>This is a paragraph.</p>
<p>This is another paragraph.</p>
</body>
</html>
```

This is heading 1

This is heading 2

This is a paragraph.

This is another paragraph.

Font Properties

Value	Description
xx-small	Sets the font-size to an xx-small size
x-small	Sets the font-size to an extra small size
small	Sets the font-size to a small size
medium	Sets the font-size to a medium size. This is default
large	Sets the font-size to a large size
x-large	Sets the font-size to an extra large size
xx-large	Sets the font-size to an xx-large size
smaller	Sets the font-size to a smaller size than the parent element
larger	Sets the font-size to a larger size than the parent element
length	Sets the font-size to a fixed size in px, cm, etc.
%	Sets the font-size to a percent of the parent element's font size

❑ **Font variant:**

• Specifies whether or not a text should be displayed in a small-caps font.

Value	Description
normal	The browser displays a normal font. This is default
small-caps	The browser displays a small-caps font

EX: text-variant property

p {font-variant: small-caps ;}

❑ **Font weights:**

• Font-weight property specifies the thickness of the font.

Value	Description
normal	Defines normal characters. This is default
bold	Defines thick characters
bolder	Defines thicker characters
lighter	Defines lighter characters

EX: text-weight property

p{font-weight: lighter;}

Font Properties

Ex: font-variant property

Output:

```html
<html>
<head>
<style>
p.normal {
  font-variant: normal;
}

p.small {
  font-variant: small-caps;
}
</style>
</head>
<body>
<h1>The font-variant property</h1>
<p class="normal">My name is Hege Refsnes.</p>
<p class="small">My name is Hege Refsnes.</p>
</body>
</html>
```

The font-variant property

My name is Hege Refsnes.

MY NAME IS HEGE REFSNES.

Font Properties

Ex: font-weight property

Output:

```html
<html>
<head>
<style>
p.normal {
  font-weight: normal;
}
p.light {
  font-weight: lighter;
}
p.thick {
  font-weight: bold;
}
p.thicker {
  font-weight: 900;
}
</style>
</head>
<body>
<h1>The font-weight property</h1>
<p class="normal">This is a paragraph.</p>
<p class="light">This is a paragraph.</p>
<p class="thick">This is a paragraph.</p>
<p class="thicker">This is a paragraph.</p>
</body>
</html>
```

The font-weight property

This is a paragraph.

This is a paragraph.

This is a paragraph.

This is a paragraph.

❑ **text-align:**

• The text-align property specifies the horizontal alignment of text in an element.

Value	Description
left	Left-justified
right	Right-justified
center	Text is centered
justified	Text is both right and left justified

EX: text-align property

h2 {text-align: left;}

❑ **text-decoration:**

• The text-decoration property specifies the decoration added to text.

Value	Description
underline	Adds and underline to the text
overline	Adds a line on top of the text
line-through	Adds a line through the middle of the text
blink	Causes the text to blink

EX: text-decoration property

h2 {text-decoration: line-through;}

Text properties

Ex: text-align property   Output:

```
<html>
<head>
<style>
h1 {
  text-align: center;
}

h2 {
  text-align: left;
}

h3 {
  text-align: right;
}
</style>
</head>
<body>

<h1>Heading 1 (center)</h1>
<h2>Heading 2 (left)</h2>
<h3>Heading 3 (right)</h3>
<p>The three headings above are aligned center, left and right.</p>
</body>
</html>
```

Heading 1 (center)

Heading 2 (left)

Heading 3 (right)

The three headings above are aligned center, left and right.

Ex: text-decoration property   *Output:*

```html
<html>
<head> <style>
h1 {
  text-decoration: overline;
}
h2 {
  text-decoration: line-through;
}
h3 {
  text-decoration: underline;
}
p.ex {
  text-decoration: overline underline;
}
</style> </head>
<body>
<h1>Overline text decoration</h1>
<h2>Line-through text decoration</h2>
<h3>Underline text decoration</h3>
<p class="ex">Overline and underline text decoration.</p>
<p><strong>Note:</strong> It is not recommended to underline text that is
not a link, as this often confuses
the reader.</p>
</body>
</html>
```

Overline text decoration

~~Line-through text decoration~~

<u>Underline text decoration</u>

<u>Overline and underline text decoration.</u>

Note: It is not recommended to underline text that is not a link, as this often confuses the reader.

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❑ **text-indent:**

• The text-indent property specifies the indentation of the first line in a text-block.

EX: text-indent property

 p {text-indent:50px;}

❑ **text-transform:**

• The text-transform property controls the capitalization of text.

Value	Description
capitalize	Capitalizes the first letter in a word
uppercase	Makes the entire word uppercase
lowercase	Makes the entire word lower case
none	No transform is performed

EX: text-transform property

p{text-transform: capitalize;}

Text properties

Ex: text-indent property

```
<html>
<head>
<style>
p {
  text-indent: 50px;
}
</style>
</head>
<body>

<h1>Using text-indent</h1>

<p>In my younger and more vulnerable years my father gave me some advice that I've been
turning over in my mind ever since. 'Whenever you feel like criticizing anyone,' he told
me, 'just remember that all the people in this world haven't had the advantages that
you've had.'</p>

</body>
</html>
```

Output:

Using text-indent

In my younger and more vulnerable years my father gave me some advice that I've been turning over in my mind ever since. 'Whenever you feel like criticizing anyone,' he told me, 'just remember that all the people in this world haven't had the advantages that you've had.'

Text properties

Ex: text-transform property   *Output:*

```html
<html>
<head>
<style>
p.uppercase {
  text-transform: uppercase;
}

p.lowercase {
  text-transform: lowercase;
}

p.capitalize {
  text-transform: capitalize;
}
</style>
</head>
<body>

<h1>Using the text-transform property</h1>
<p class="uppercase">This text is transformed to uppercase.</p>
<p class="lowercase">This text is transformed to lowercase.</p>
<p class="capitalize">This text is capitalized.</p>
</body>
</html>
```

Using the text-transform property

THIS TEXT IS TRANSFORMED TO UPPERCASE.

this text is transformed to lowercase.

This Text Is Capitalized.

The end