



*NextGen*



*Web*



Session: 6

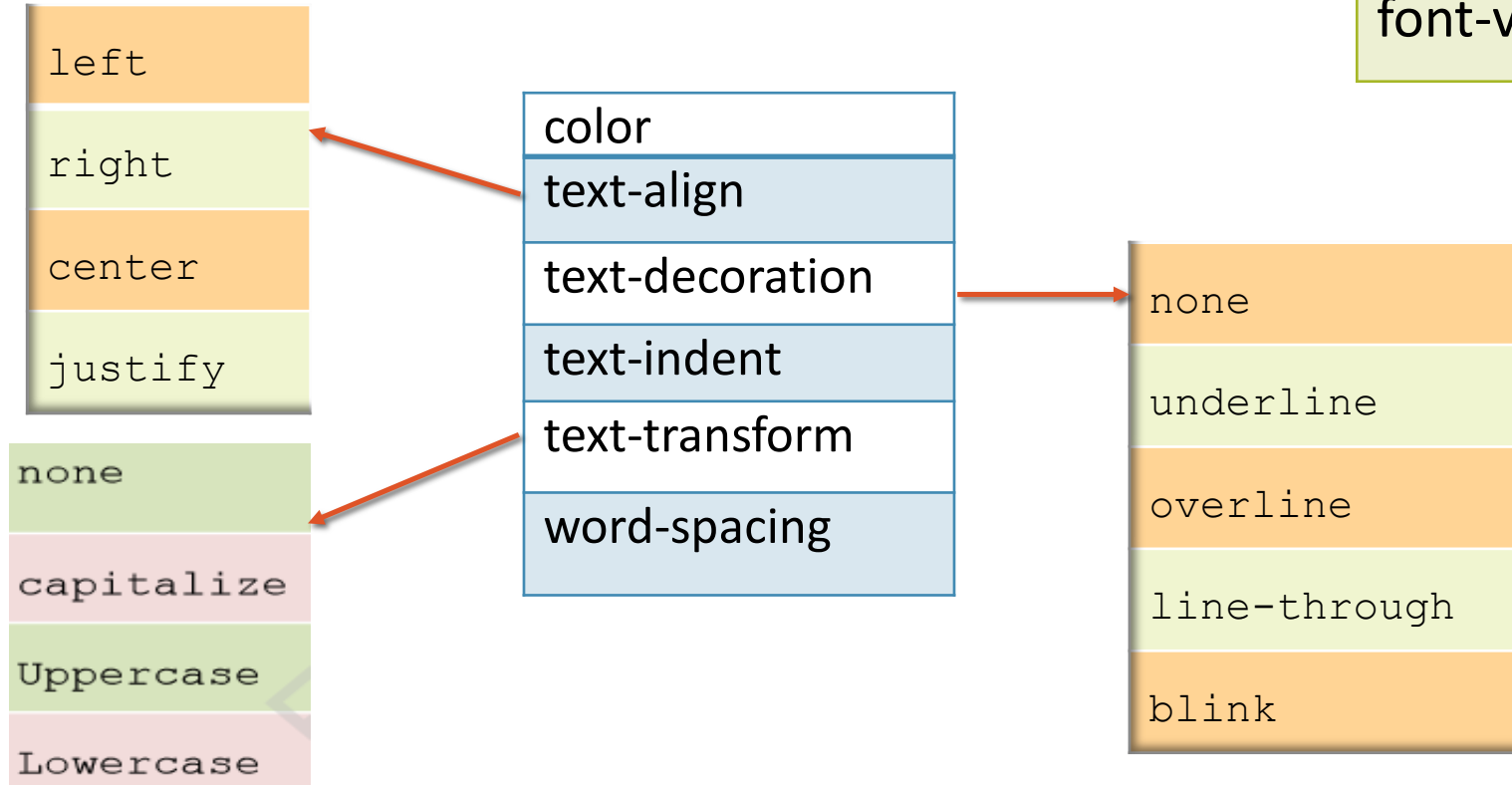
# *Formatting Using Style Sheets*

- List and explain text and font styles
- Describe inline spans
- Explain paragraph indentation and application of border
- Explain horizontal paragraph alignment
- Explain vertical spacing within a paragraph



# Text and Font Style

- The text properties specify and control the appearance of the text in a Web page.
- User can change the color of a text, increase or decrease the space between characters, align a text, and so on





```
<!DOCTYPE HTML>
<HTML>
<HEAD>

<LINK rel="stylesheet" type="text/css" href="TextProperties.css"/>

<TITLE>Client</TITLE>
</HEAD>

<BODY>
<H2>Client Contact Information</H2>

<DIV>
<H4>Dynamic Solutions</H4>
<P>Tel Number - 445 558 7744</P>
<P>Fax Number - 703 740 6539</P>
</DIV>
</BODY>
</HTML>
```

```
div
{
text-align:left;
text-indent:2em;
text-transform:uppercase;
}
```

## Client Contact Information

DYNAMIC SOLUTIONS

TEL NUMBER - 445 558 7744

FAX NUMBER - 703 740 6539

```
<!DOCTYPE HTML>
<HTML>
<HEAD>
<TITLE>Solar System</TITLE>

<LINK rel="stylesheet" type="text/css"
href="Txtproperties.css"/>

</HEAD>

<BODY>

<H3>Nine Planets</H3>

<P>Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus,
Neptune, Pluto</P>

</BODY>
</HTML>
```

```
body
{
    word-spacing:2px;
}
h3
{
    text-decoration:underline;
}
```

### Nine Planets

Mercury, Venus, Earth, Mars, Jupiter, Saturn,  
Uranus, Neptune, Pluto

# Inline Span

- The `<span>` tag groups inline-elements in a document
- For example, if one word in a sentence need to be bold or color without using the `<b>` tag or `<font color=...>` tag

`<p>` My mother has `<span style= 'color: blue; font-weight:bold' >`  
blue `</span>` eyes. `</p>`

- The `<span>` tag has different attributes; it supports JavaScript event attributes also



# Indenting Paragraph 1-3

- Indenting is the process of setting off the text from its normal position, either to the left or to the right.
- In paragraph style, there are three types of indentation:

## ➤ First line indent

- The text-indent property is used to indent the first line of a paragraph

### Inline Style

```
<p style="text-indent: 50px">
```

### Internal CSS

```
p {text-indent: 50px}
```

```
<!DOCTYPE HTML>
<html>
  <head>
    <title>Font Gallery</title>
    <style>
      p {text-indent: 150px}
    </style>
  </head>
  <body>
    <p>
```

The font styles properties allow you to specify the font for the text. They allow you to change the different font attributes of the text such as font, size, and style

specified by the font properties. They are dependent on the browser.

The font styles properties allow you to specify the font for the text. They allow you to change the different font attributes of the text such as font, size, and style of the text. The browser must support the font specified by the font properties. Otherwise, it will display the default font, which is dependent on the browser.

## ➤ Padding

- The padding property is used to add a specified amount of space between the border of an element and its contents.

### Inline style

```
<p style="padding: 20px">
```

### Internal CSS

```
p {padding: 20px}
```

```
<!DOCTYPE HTML>
<html>
  <head>
    <title>Font Gallery</title>
    <style>
      p {padding: 20px }
    </style>
  </head>
  <body>
```

<p> The font styles properties allow you to specify the font for the text. They allow you to change the different font attributes of the text such as font, size, and style of the text. The browser must support the font specified by the font properties. Otherwise, it will display the default font, which is dependent on the browser.

### Padding



The font styles properties allow you to specify the font for the text. They allow you to change the different font attributes of the text such as font, size, and style of the text. The browser must support the font specified by the font properties. Otherwise, it will display the default font, which is dependent on the browser.



### ➤ Margin

- The margin property is used to add a specified amount of white space around an element, on the outside of the element.

#### Inline style

```
<p style="margin: 20px">
```

#### Internal CSS

```
p {margin: 20px}
```

margin

The font styles properties allow you to specify the font for the text. They allow you to change the different font attributes of the text such as font, size, and style of the text. The browser must support the font specified by the font properties. Otherwise, it will display the default font, which is dependent on the browser.

- Borders are rectangular outlines that surround an element.
- CSS border properties specify the style, color, and width of the border.

Property
border-left-style
border-right-style
border-top-style
border-bottom-style

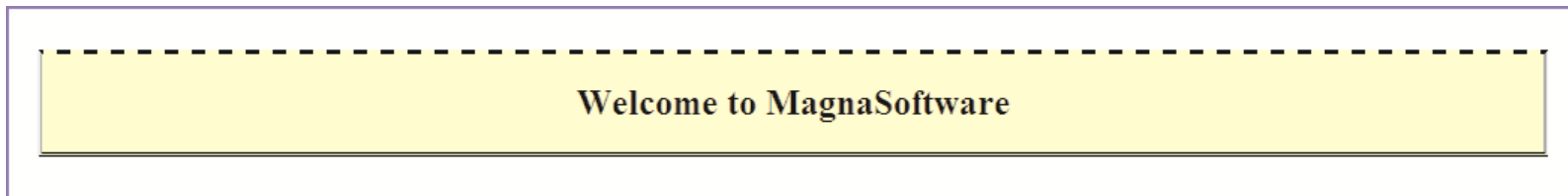
Value	Description
Dashed	It is used for specifying a dashed border.
Dotted	It is used for specifying a dotted border.
Double	It is used for specifying two borders.
groove	It is used for specifying a 3D grooved border.
Inset	It is used for specifying a 3D inset border.
outset	It is used for specifying a 3D outset border.
ridge	It is used for specifying a ridged border.
solid	It is used for specifying a solid border.

- Following figure shows an HTML code.

```
<!DOCTYPE HTML>
<HTML>
<HEAD>
<TITLE>MagnaSoftwares</TITLE>
<LINK rel="stylesheet" type="text/css" href="styles.css" />
</HEAD>
<BODY>
<DIV id="heading">
<H2>welcome to MagnaSoftwares</H2>
</DIV>
</BODY>
</HTML>
```

```
#heading
{
background:#FFFFCC;
text-align:center;
border-left-style:ridge;
border-right-style:groove;
border-top-style:dashed;
border-bottom-style:double;
}
```

- Following figure shows the output of border-style properties.



## ➤ Shorthand property

- reduce the length of the code, make the code concise

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <title>Corpse - Worlds Largest Flower</title>
    <link rel="stylesheet" type="text/css" href="flower.css"></link>
  </head>
  <body>
    <figure></figure>
    <h2>World's Largest Flower</h2>
    <p>Corpse flower is the world's largest flower.<br/>
    Its diameter is about a metre.<br/>
    It grows in openings in rainforests on limestone hills of Sumatra,
  </body>
</html>
```

```
.largest_flower
{
  border-style:groove inset outset dashed;
}
```

Applies a 3D grooved border at the top, 3D inset border at the right, 3D outset border at the bottom, and dashed border at the left.



**World's Largest Flower**

Corpse flower is the world's largest flower.  
Its diameter is about a metre.  
It grows in openings in rainforests on limestone hills of Sumatra, Indonesia.



# Border color

1-3

- The border-color property in CSS applies colors to all the four borders.
- One can also apply four different colors to four borders.
- The border-color property accepts different color values that determine the different shades of color to be applied to the borders.

border-bottom-color

border-left-color

border-right-color

border-top-color

color

transparent

- Following figure shows an HTML code with properties.

```
<!DOCTYPE HTML >
<HTML>
<HEAD>
<TITLE>HealthCare</TITLE>
<LINK rel="stylesheet" type="text/css" href="Tips.css" />
</HEAD>
<BODY>
<DIV class="tips">
<H2>Five Essential Health Tips</H2>
<OL>
<LI>Quit Smoking</LI>
<LI>Reduce Stress</LI>
<LI>Protect yourself from Pollution</LI>
<LI>Avoid Excessive Drinking</LI>
<LI>Regular Exercise</LI>
</OL>
</DIV>
</BODY>
</HTML>
```

```
.tips
{
background:#FFDDDD;
border-bottom-color:#FF0000;
border-top-color:#FF0000;
border-right-color:#0000FF;
border-left-color:#0000FF;
}
```

## ➤ Shorthand property

```
<!DOCTYPE HTML>
<HTML>
<HEAD>
<TITLE>Car Gallery</TITLE>
<LINK rel="stylesheet" type="text/css" href="Gallery.css" />
</HEAD>
<BODY>
<H2>Car Gallery</H2>
<TABLE border="1">
<TR>
<TD><B>Ferrari</B><BR/><IMG alt="Ferrari" class="carmodel"
src="Ferrari.jpg" /></TD>
<TD><B>Chevrolet</B><BR/><IMG alt="Chevrolet" class="carmodel"
src="Chevrolet.jpg" /></TD>
</TR>
</TABLE>
</BODY>
</HTML>
```

```
body
{
text-align:center;
}
.carmodel
{
border-style:solid;
border-color: Red Blue Green Yellow;
}
```



# Border width

1-2

- specify the width for all the four borders.
- allow to individually specify the left, right, top, or bottom borders.

Property	Value
border-bottom-width	medium
border-left-width	long
border-right-width	thick
border-top-width	thin

```
<!DOCTYPE HTML>
<HTML>
<HEAD>
<TITLE>EasyBank</TITLE>
<LINK rel="stylesheet" type="text/css" href="banner.css" />
</HEAD>
```

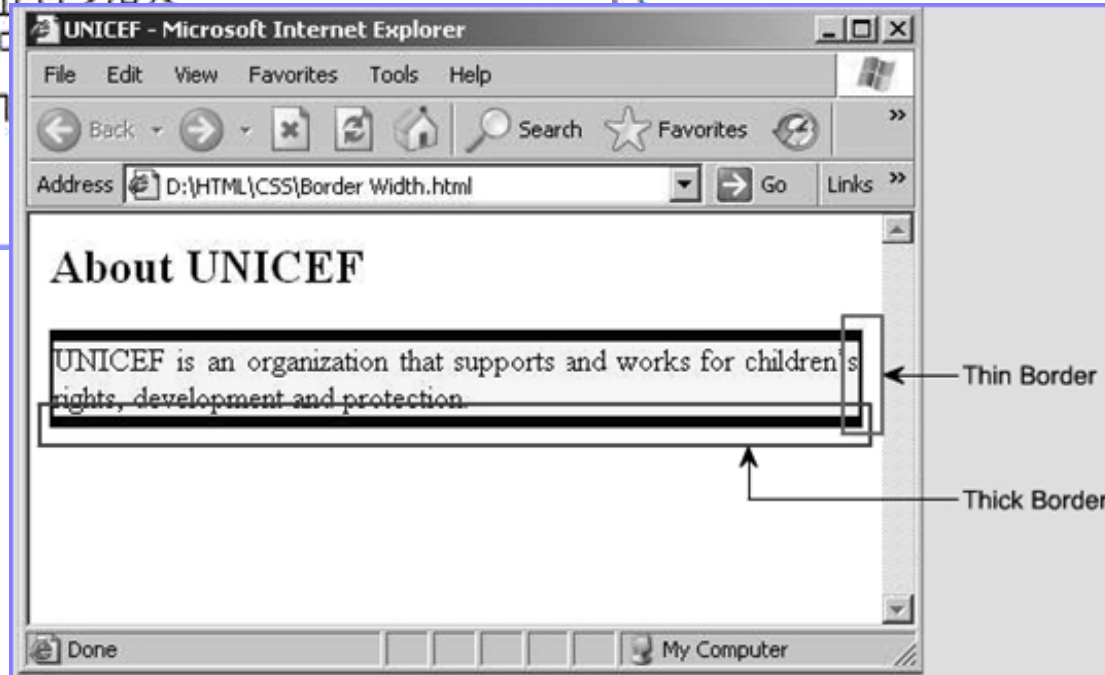
```
font-family: fantasy;
}
```



## ➤ Shorthand property

```
<!DOCTYPE HTML>
<HTML>
<HEAD>
<TITLE>UNICEF</TITLE>
<LINK rel="stylesheet" type="text/css" href="border.css">
</HEAD>
<BODY>
<H2>About UNICEF</H2>
<P class="aboutus">
UNICEF is an organization that supports and works for children's
rights, development and protection.
</P>
</BODY>
</HTML>
```

```
.aboutus
{
text-align:justify;
background-color:#FFFFCC;
border-style:solid;
border-width: thick thin thick thin;
}
```





# Shorthand Border

## 1-2

- specifies all the properties such as style, width, and color for all the four borders.

Property
border-bottom
border-left
border-right
border-top

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <title>Important Note</title>
    <link rel="stylesheet" href="style.css">
  </head>
  <body>
    <h3>Notice:</h3>
    <div class="imnote">
      <ul style="list-style:square">
        <li>Mobiles are not allowed during class hours.</li>
        <li>Each student should carry his/her identity card regularly.</li>
      </ul>
    </div>
```

```
.imnote
{
  background-color:#FFFFCC;
  border-top:dashed thin #FF0000;
  border-bottom:ridge thick #0000FF;
  border-right:dotted thin #FF8040;
  border-left:inset medium #FF00FF;
}
```

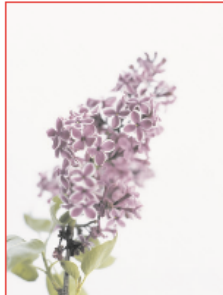
### Notice:

- Mobiles are not allowed during class hours.
- Each student should carry his/her identity card regularly.

**border: solid thin #FF0000;**

- Specifies that all the four borders must be solid in style, thin by width, and red in color.

#### Flower



**Lilac is a species of flowering plants in the olives family. They are shrubs that ranges from 2 to 10m in height.**



**Sunflower is a flowering plants whose stem can grow as high as 3m tall.**



# Horizontal alignment

- Text-align property is used for horizontal alignment of text in an element.
- This property aligns the inline content of a block, applies only block level elements, such as paragraph.

Value	Description
left	Aligns the text to the left. (default, applied for Western language),
right	Aligns the text to the right (Hebrew & Arabic languages).
center	Centers the text.
justify	Aligns text to both left and right margins by adding space between words (like in newspapers and magazines).
inherit	Specifies that the value of the text-align property should be inherited from the parent element.



# Vertical alignment

- line-height property is used for vertical alignment of text in an element.
- This property is also a component of the 'font' shorthand property.
- It can be applied on block-level elements, table cells, table caption, ...

Value	Description
normal	A normal line height. This is default.
number	A number that will be multiplied with the current font size to set the line height.
length	A fixed line height in px, pt, cm, and so on.
%	A line height in percent of the current font size.
inherit	Specifies that the value of the line-height property should be inherited from the parent element.

# Summary

- The text styles specify and control the appearance of the text in a Web page.
- Indenting is the process of offsetting text from its normal position, either to the left or to the right.
- Border property specifies the style, color, and width of the border.
- The border-color property accepts different color values that determine the different shades of color to be applied to the borders.
- Text-align property is used for horizontal alignment of text in an element.
- Line-height property is used for vertical alignment of text in an element.