

Objectives

- ◆ In this session, you will learn to:
 - ◆ Work with styles



- ◆ The list properties:
 - ◆ Are used to customize the look of the ordered and unordered HTML lists.
 - ◆ Are of the following types:

`list-style-position`

`list-style-type`

`list-style`

`list-style-image`

Use the animation, [HTML_02_StylingLists.swf](#), to understand the concept of styling lists.



- ◆ The background properties:
 - ◆ Are used to specify the background color, image, or position of the HTML elements.
 - ◆ Are of the following types:

`background-
color`

`background-
image`

`background`



- ◆ Styles are grouped:
 - ◆ To apply the same styles on more than one selector.
 - ◆ Using the following syntax:

```
selector1, selector2  
{  
property:value;  
}
```



- ◆ Styles are nested:
 - ◆ To apply style on an element within another element.
 - ◆ To discard the usage of class or ID selectors in the code.
 - ◆ In the following ways:

Selector	Example	Description
element1>element2	<code>div>p</code>	Selects all the <code><P></code> elements, where <code><DIV></code> is the parent element.
element1 element2	<code>div p</code>	Selects all the <code><P></code> elements inside the <code><DIV></code> element.
element1 + element2	<code>div+p</code>	Selects all the <code><P></code> elements that are placed immediately after the <code><DIV></code> element.
element1 ~ element2	<code>div~p</code>	Selects every <code><DIV></code> element that is preceded by the <code><P></code> element.

- ◆ The CSS visibility styles can be applied on the HTML elements using the following properties:
 - ◆ `display`
 - ◆ `visibility`



Controlling the Visibility of Elements (Contd.)

◆ The `display` property:

- ◆ Is used to set the appearance of an element on a Web page.
- ◆ Can be applied using the following syntax:

```
display: none| block| inline
```

◆ The `visibility` property:

- ◆ Is used to specify whether an element should be visible or not.
- ◆ Can be applied using the following syntax:

```
visibility: hidden| visible
```

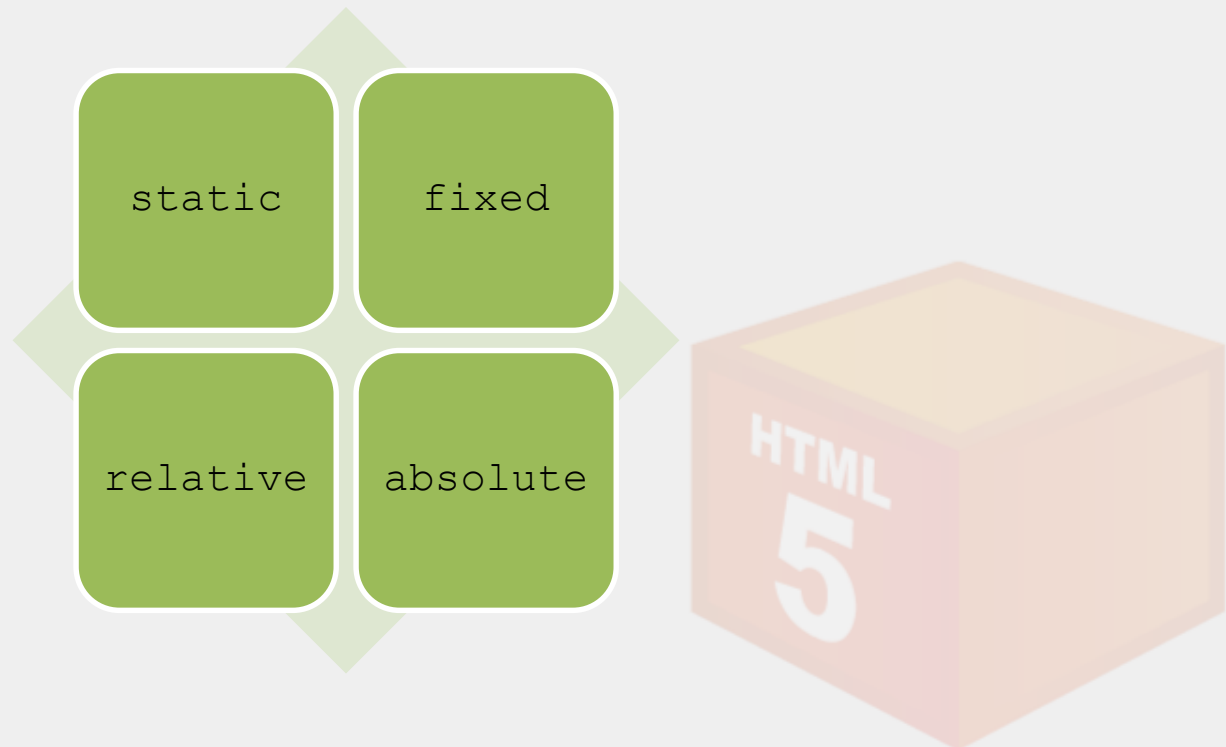
- ◆ The following embedded Notepad file contains the code to show the use of `visibility` property:



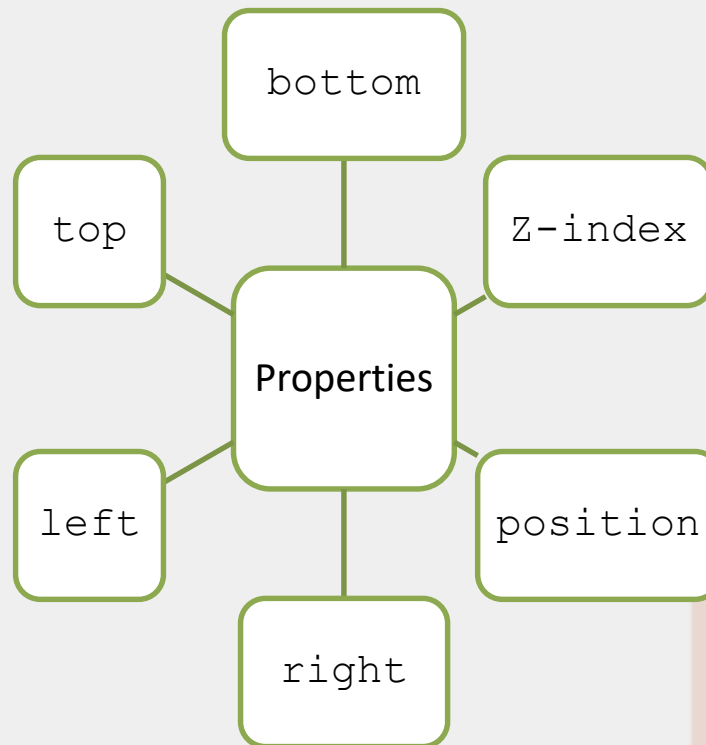
Visibility_Property



- ◇ CSS positioning properties:
 - ◇ Are used to control the placement of elements on a Web page.
 - ◇ Can be classified into the following categories:
 - ◇ `position`
 - ◇ `float`
- ◇ The `position` property is used to position an element on a Web page using the following positioning methods:



- ◆ The exact location for the HTML elements can be specified using the following positioning properties:



Use the animation, [HTML_02_Positioning.swf](#), to understand the concept of CSS positioning.

◆ The `float` property:

- ◆ Is used to place HTML elements to the left or right margin, in relation to other elements.
- ◆ Allows you to wrap the HTML elements around the floated element.
- ◆ Can be specified by using the following syntax:

`float: left|right|none`

- ◆ The following embedded Notepad file contains the code to show the use of `float` property:



Float_Property



Positioning HTML Elements (Contd.)

- ◆ The `clear` property:
 - ◆ Is used to turn off the float effect on HTML elements.
 - ◆ Can be specified by using the following syntax:
`clear: both|left|right;`
- ◆ The following embedded Notepad file contains the code to show the use of `clear` property:



Use the animation, `HTML_02_Floating.swf`, to understand the concept of `float` and `clear` properties.



- ◆ Which one of the following style sheets is used when multiple pages need to be styled in the same manner?
 - ◆ Internal style sheet
 - ◆ Inline style
 - ◆ External style sheet
 - ◆ Browser default



- ◆ Solution:
 - ◆ External style sheet



◆ Problem Statement:

- ◆ Steve has developed the home page for ShowOnWheels. Now, he needs to enhance the look and feel of this home page. For this, he needs to apply the following styles:
 - ◆ The Web page should contain the background image.
 - ◆ The logo of ShowOnWheels should appear at top of the Web page.
 - ◆ The links should appear horizontally.
 - ◆ The links should be displayed in pink color at the time of activation.
 - ◆ The paragraph text should appear in different font styles.
 - ◆ The list should appear with filled circles before the list items.
- ◆ Help Steve to perform the preceding tasks.
- ◆ Prerequisite: You need to use the ShowOnWheels file to perform this activity. In addition, you need the background.gif file. Ask your faculty to provide you the same.



◆ Solution

- ◆ To implement styles on a Web page, you need to perform the following tasks:
 1. Create an external style sheet.
 2. Link the style sheet in the home.html file.
 3. View the home page.



◆ In this session, you learned that:

- ◆ The list properties are used to customize the look of the ordered and unordered HTML lists.
- ◆ The background properties are used to specify the background color, image, or position of the HTML elements.
- ◆ In CSS, the styles are grouped to apply the same styles on more than one selector.
- ◆ Styles are nested to apply style on an element within another element.
- ◆ The `display` property is used to set the appearance of an element on a Web page.
- ◆ The `visibility` property is used to specify whether an element should be visible or not.
- ◆ CSS positioning is used to position an element on a Web page.
- ◆ The `float` property is used to place HTML elements to the left or right margin, in relation to the other elements.
- ◆ The `clear` property is used to turn off the float effect on HTML elements.

