

The CSS Box-Sizing Property

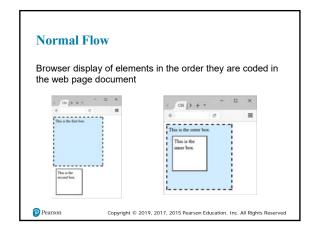
- Default value for width or height is the value for Only the content (not including border and padding).
- The box-sizing property is used to selector to direct the browser to calculate the width and height of an element to include the value for content, padding, and border.
- Use the universal selector (*) to apply this to all the element on the page
- Example:
 - * { box-sizing: border-box; }

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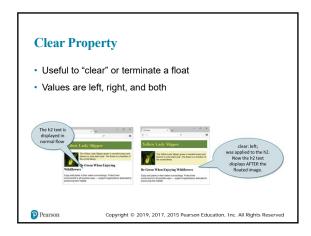
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Elements that seem to "float" on the right or left side of either the browser window or another element are often configured using the float property. h1 { background-color:#cccccc; padding:5px; color: #0000000; } p { font-family:Arial,sans-serif; } yyls {float:right; margin: 0 0 5px 5px; border: 1px solid #0000000; }



Overflow Property Intended to configure the display of elements on a Web page. However, it is useful to "clear" or terminate a float before the end of a container element Values are auto, hidden, and scroll The designound design flores on extend as far a so you're the service of the s

Checkpoint 6.1 1. List the components of the box model from innermost to outermost. 2. Describe the purpose of the CSS float property. 3. Which two CSS properties can be used to clear a float?

CSS Display Property (1 of 2)

Configures how and if an element is displayed

- · display: none;
 - The element will not be displayed.
- · display: block;
 - The element is rendered as a block element even if it is actually an inline element, such as a hyperlink

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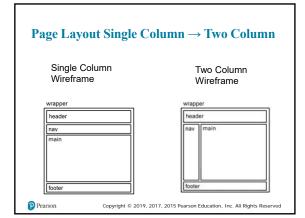
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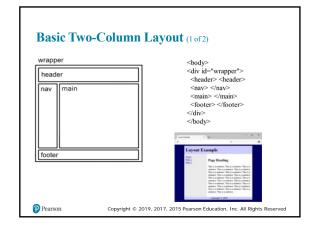
CSS Display Property (2 of 2)

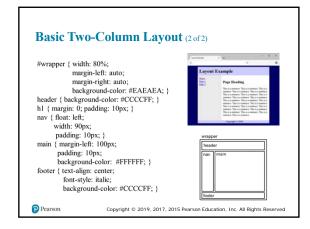
- · display: inline;
 - The element will be rendered as an inline element even if it is actually a block element such as a .
- · display: inline-block;
 - The element will display as an inline display element adjacent to other inline display elements but also can be configured with properties of block display elements including width and height.

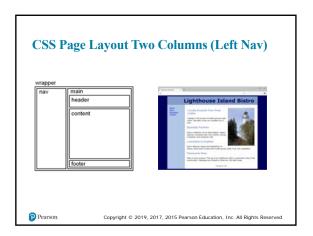
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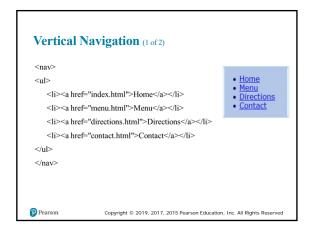
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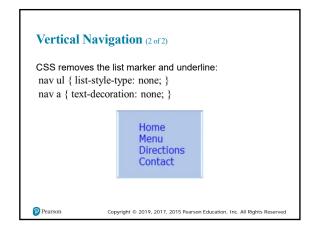




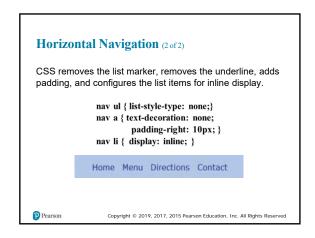








Horizontal Navigation (1 of 2) HTML: <nav> Home Menu <ii>Directions <ii>Contact </nav> Pearson Copyright © 2019, 2017, 2015 Pearson Education, Inc. All Rights Reserved



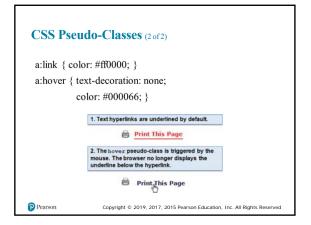
```
CSS Pseudo-Classes (1 of 2)
· Pseudo-classes and the anchor
                                         a:link {color:#000066;}
 element
                                         a:visited {color:#003366;}
    - link - default state for a
                                         a:focus {color:#FF0000;}
      hyperlink
                                         a:hover {color:#0099CC;}

    visited – a hyperlink that has

                                         a:active {color:#FF0000;}
      been visited
    - focus - triggered when the
      hyperlink has focus

    hover – triggered when the

      mouse moves over the
      hyperlink
      active - triggered when the
      hyperlink is being licked
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```



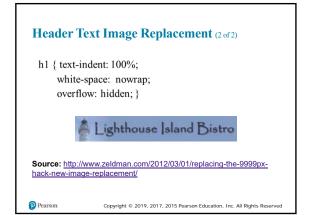
Header Text Image Replacement (1 of 2)

Useful when a non web-safe font must be used in the header logo banner area

Display the banner image but also configure text in the h1 for use by search engines and assistive technologies.

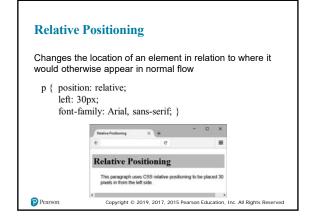
- Configure styles for the header element set the header banner image as the background of the header or h1 element
- Code the company or website name with the h1 element.
- 3. Configure the placement of the h1 text to be beyond the browser viewport:

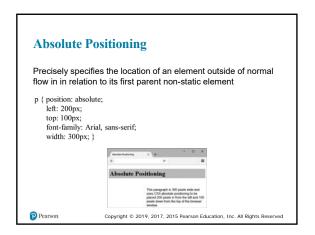
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Position Property Value Purpose static Default value; the element is rendered in normal flow fixed Configures the location of an element within the browser viewport; the element does not move when the page is scrolled relative Configures the location of an element relative to where it normal flow absolute Precisely configures the location of an element outside of normal flow Pearson Copyright © 2019, 2017, 2015 Pearson Education, Inc. All Rights Reserved







CSS Debugging Tips

- · Manually check syntax errors
- · Use W3C CSS Validator to check syntax errors
 - http://jigsaw.w3.org/css-validator/
- · Configure temporary background colors
- · Configure temporary borders
- · Use CSS comments to find the unexpected
 - /* the browser ignores this code */
- Don't expect your pages to look exactly the same in all browsers!
- · Be patient!



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HTML5 Structural Elements Review (1 of 2)

Header Element

 block display; contains the headings of either a web page document or an area in the document such as a section or article

Nav Element

· block display; contains a section of navigation hyperlinks

Main Element

· block display; contains main page content



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HTML5 Structural Elements Review (2 of 2)

Footer Element

 block display; contains the footer content of a web page or specific area (such as a section or article) on a web page



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More HTML5 Elements (1 of 2)

Aside Element

block display; contains a sidebar, a note, or other tangential content

Section Element

- · contains a "section" of a document, such as a chapter or topic
- block display

Article Element

- contains an independent entry, such as a blog posting, comment, or e-zine article that could stand on its own
- block display



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More HTML5 Elements (2 of 2)

Time Element

- represents a date or a time
- could be useful to date articles or blog posts
- · inline display



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HTML5 Compatibility with Older Browsers

Configure Block Display with CSS

header, main, nav, footer, section, article, figure, figcaption, aside { display: block; }

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Deciding to Configure a Class or Id

Configure a class:

- If the style may apply to more than one element on a page
- Use the . (dot) notation in the style sheet.
- Use the class attribute in the HTML.

Configure an id:

- If the style is specific to only one element on a page
- Use the # notation in the style sheet.
- · Use the id attribute in the HTML.



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Checkpoint 6.2

- Describe a reason to use HTML5 structural elements instead of div elements for some page areas.
- 2. Describe one CSS debugging tip that you have found to be helpful.
- Describe how to choose whether to configure an HTML element selector, create a class, or create an id when working with CSS.

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Summary

 This chapter introduced you to the box model, CSS pseudo-classes, configuring two-column page layouts with CSS, and additional HTML5 structural elements.

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