20. Set the media of the **swlayout.css** and **sweffects.css** style sheet files to the screen device. Set the media of the **swprint.css** style sheet file to the print device.

21. Save your changes to the file, and then open it in your Web browser. Print the page or preview the printed version in your browser. Verify that: a) the article describing Messier objects appears on the first page; b) each subsequent page contains the image and description of a single Messier object; c) the SkyWeb logo appears at the top of each page as a page header; and d) the url of each of the two hypertext links appears in parentheses after the link text.

22. Submit your completed files to your instructor.

Test your knowledge of CSS3, print, and mobile styles by designing the home listings for an online realty Web site.

RESEARCH

Case Problem 4

Data Files needed for this Case Problem: brlogo.png, img01.jpg - img09.jpg, listing.txt, modernizr-1.5.js

Browyer Realty   Linda Browyer is the owner of Browyer Realty, a real estate company operating in Owatonna, Minnesota. She's asked you to help create a style design for the pages on her site that describe residential listings. Linda has already written up sample content for a listing and collected images of the property. She needs you to create the HTML file and write up the style sheets.

Complete the following:

1. Use your text editor to create an HTML file named **browyer.htm** that will contain the document describing the property. Also, create a style sheet file named **brbase.css** that will contain basic styles that will be used by all devices, **breffects.css** that will contain special visual effects, **brlayout.css** that will contain the page layout design for desktop screen devices, **brprint.css** for print styles, and **brmobile.css** for mobile devices. Add the appropriate comments and documentation to each file.

2. Create the content of the **browyer.htm** file using the contents of the **listing.txt** text file as a guide.

3. Design the page layout of your document in the **brlayout.css** file.

4. Add CSS3 visual effects to your document using the **breffects.css** style sheet. The effects are left to you to choose, but they should include examples of the following:
   - a linear or radial gradient, written using the CSS3 `linear-gradient()` or `radial-gradient()` function
   - a text shadow using the CSS3 `text-shadow` property
   - drop shadows using the CSS3 `box-shadow` property and either the IE `DropShadow` or `Shadow` filter
   - a rotated object using the CSS3 `rotate` property
   - semi-transparent objects using the opacity style and the IE `Alpha` filter

5. Linda wants users to be able to view a nice printout of her sample listing. Place the print styles in the **brprint.css** file. Include an example of the `@page` rule and several examples of styles that either place or suppress page breaks.

6. Linda also wants potential clients to be able to view the sample listings in a format appropriate for mobile devices. Create the styles for mobile devices in the **brmobile.css** file. Your style sheet should include different rules depending on whether a device is in portrait or landscape orientation.

7. Link your Web document to your style sheets. Include the appropriate media queries to match each style sheet with the correct device and device width. Include a `meta` element to set the width of the viewport.

8. Place any style sheets to be used by Internet Explorer version 8 or earlier within a conditional comment.
9. Test your completed project on a variety of browsers, devices, and screen conditions.
10. Submit your completed files to your instructor, in either printed or electronic form, as requested.

ENDING DATA FILES

tutorial.08 →

tutorial
effects.css
mobile.css
print.css
treebook.htm

review
dfeffects.css
dfmobile.css
dwprint.css
dubcek.htm

case1
dfeffects.css
dfprint.css
recipe.htm

case2
wceffects.css
wcmobile.css
willet.htm

case3
sweffects.css
swprint.css
messier.htm

case4
brbase.css
breffects.css
brlayout.css
brmobile.css
brprint.css
browyer.htm