

## Revised Exercises for Chapter 2 of Internet and Web Essentials

1. What type of connection do you have to the Internet? Who supplies the Internet services? What are the charges for Internet access and who pays them?
2. When you're connected to the Internet, what IP address is assigned to your computer? What's its domain name? You may have to ask your ISP or someone in network support for help in answering this question.
3. Visit the Web site with the URL <http://www.nsrc.org/codes/country-codes.html>.
  - a. Describe what you find at the Web site.
  - b. What is the Internet domain name for the Web server that hosts this site?
  - c. Using the domain name as a guide, state the type of network that hosts this server.
  - d. Suppose you were to retrieve the Web page with the URL <http://hotline.pvtnet.cz/utility/nslookup.htm>. In what country is the network registered that hosts that Web site?
4. nslookup is an Internet utility that you can use to find the IP address of a domain name or to find the domain name (if there is one) that corresponds to an IP address. Some sites that make this service available on the Web can be accessed by using these URLs: <http://dns411.com> or <http://www.webreference.com/cgi-bin/nslookup.cgi>.
  - a. Use any of these URLs to find the IP addresses of the following: [www.skills.net.au](http://www.skills.net.au), [www.webliminal.com](http://www.webliminal.com), [www.library.mwc.edu](http://www.library.mwc.edu), and the Web server of your company or school.
  - b. Use either of the Web services to find the domain name associated with each of these IP addresses: 216.239.51.100, 140.183.234.10, 207.46.197.100, and the IP address of the Web server for your company or school.
5. If you use an email client, find the name or IP address of the incoming email server and the outgoing email server. If you don't use an email client then describe the email program or service you use for email.
6. Go to the Web page with the URL <http://www1.mwc.edu/~ernie/cpsc104/emailadl.html>. View the source of the Web page.

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- a. What is in the Head section? (That's the section marked with the HTML tags <HEAD> and </HEAD>.)
- b. Look at the source for the first occurrence of the HTML tag <UL>. You'll notice that from there until </UL> several items begin with the tag <LI>. How are those items displayed on the Web page?
- c. Suppose we changed the tags <UL> and </UL> in the source to <OL> and </OL>. What effect would that have on the way the Web page is displayed? (For help with this one take a look at the Web page "HTML Lists," [http://www.w3schools.com/html/html\\_lists.asp](http://www.w3schools.com/html/html_lists.asp).)

7. This exercise requires that you use Netscape Navigator. Go to the Web page with the URL <http://www.webliminal.com/internet-today.html>. View the page information of the Web page using the method described in the section "Basic Terms and Concepts."

- a. When was the Web page last modified?
- b. What's the content length of the document?
- c. What are the URLs of each of the images on the Web page?
- d. What's the size in bytes of each image? (Hint: Click on the URL for each image in the "page info" view of the Web page.)

8. The site "TechEncyclopedia," <http://techweb.com/encyclopedia> is useful when you want to define technical terms. Using TechEncyclopedia, find definitions for the following terms:

- a. domain
- b. backbone
- c. NAP
- d. POP
- e. domain name system

9. The Web site [whatis.com](http://www.whatis.com), <http://www.whatis.com>, is also useful when you need to know about technical terms. What is its definition of

- a. modem?
- b. router?
- c. protocol?
- d. IP address?

10. Retrieve a copy of "Learn the Net: Getting Connected," <http://www.learnthenet.com/english/html/04connec.htm>.

- a. Outline the steps given in that article for connecting a modem.
- b. What does that article suggest you do if you're using a modem and have call waiting on your phone line?
- c. Follow the hyperlink to the related article "About Modems." According to that article how long would it take to download a 20-second video clip if you were using a modem rated at 57.6Kbps? How long would it take to download a 30-second audio clip with the same modem? Why is there is such a difference between the two times?