

Answers to Even-numbered Exercises

8

2. What is a terminal emulator? What does it allow you to do from a GUI that you would not be able to do without one?

A terminal emulator emulates a terminal in a graphical environment. It provides a shell command line interface from which you can give shell commands, which you cannot do otherwise from a GUI (other than by using **Run Command** from the Main menu).

4. What is Nautilus?

Nautilus is the GNOME file manager.

- a. List two ways that you can open a file using Nautilus.

You can either click the filename or icon and select **Open** from the drop-down menu or you can double-click the filename or icon.

- b. How does Nautilus “know” what tool to use to open different types of files?

Nautilus determines which tool to use to open a file based on the file's filename extension (which specifies its MIME type). Superuser can alter these relationships by selecting **Main menu: Preferences⇒File Types and Programs** (gnome-file-types-properties).

- c. Which are the three common Nautilus toolbars? What kinds of tools do you find on each?

There are the Menubar (contains many menus including File and Bookmarks), Toolbar (contains navigation and a home icon), and Location bar (contains view as and magnification icons).

- d. Discuss the use of the Nautilus Location bar.

The Location bar displays the URI of the information displayed in the Nautilus window. You can enter a URI in the Location bar and press RETURN to display a URI.

6. Regarding Konqueror the Web browser,

- a. What is enhanced browsing and how do you use it?

Enhanced browsing enables you to search for a keyword rapidly, using a default or specified search engine. Enter a word or phrase that you want to search for on the location bar, and press RETURN. Konqueror will cause the default search engine to search for that word or phrase.

- b. How would you use Konqueror to transfer local files to a remote FTP site? Describe how you would do this using a Konqueror window with two views.

From one instance of Konqueror with two views or from two instances of Konqueror, the procedure is the same. In one view or instance of Konqueror, open the directory that contains the files you want to upload. In the other view or instance, open the FTP site you want to transfer the files to. Open the directory on the FTP site where you want to put the files. Then drag the files from the first view/instance to the other. Konqueror asks you whether you want to copy or move the files.

8. Explain the purpose of MIME. How does it facilitate your use of a GUI?

A MIME type gives the type of data in a document a name, which can be associated with an application. For example, the MIME type `image/jpeg` is typically associated with an image viewer.

Using a MIME type, a file manager or other program can automatically open a window appropriate to the file it is opening. Thus a PDF file would be opened with `xpdf` and a PostScript file with `ghostview`.