

8

ANSWERS TO EVEN-NUMBERED EXERCISES

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 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. a. What is Nautilus?

Nautilus is the GNOME file manager.

- b. 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.

- c. How does Nautilus “know” which program to use to open different types of files?

Nautilus determines the appropriate program to use when opening a file based on the file’s MIME type, which it usually determines from the filename extension. You can alter these relationships by right-clicking a file in Nautilus, selecting **Properties**, and then selecting the **Open With** tab.

- d. What are the three commonly used Nautilus control bars? What kinds of tools do you find on each?

The menubar contains many menus including File and Bookmarks. The toolbar contains navigation icons and a home icon. The location bar contains View As and magnification icons.

- e. 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. How can you search the Web for a word or phrase without entering it in a search engine?

Enter a word or phrase that you want to search for in 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. Drag the files from the first view/instance to the other view/instance. Before carrying out the transfer, Konqueror asks you whether you want to copy or move the files.

8. Explain the purpose of MIME. How does it facilitate the 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 being opened. For example, a PDF or PostScript file would be opened with the Document Viewer (Evince).