Review Questions

Topic: Unix

Unix Commands

1. What is the unix command that is used to:

    (a) Copy a file:

    (b) Delete a file:

    (c) Rename a file:

    (d) Delete an empty directory:

    (e) Change your current directory:

    (f) Print the full pathname (also known as absolute pathname) of your current directory:

    (g) List the files in a directory:

    (h) Change permissions on a file:

    (i) Find out all the processes that you are currently running:

File Permissions

2. What do the following file permissions mean?

  (a) -rwx——

  (b) drwxr-x—

3. What do the following "change mode" commands do?

  (a) chmod a+r myFile

  (b) chmod o-rwx myFile

  (c) chmod ug=rw myFile

Pathnames

4. A full pathname always begins with what character (that a relative pathname never begins with)?

5. What is the full pathname of the root directory?

6. Give a pathname for each of the following:

    (a) Your current directory

    (b) Sibling to your current directory called "dir1"

    (c) Sibling of the parent of your current directory called "dir2"

    (d) The home page (index.html) in the html directory which is in the home directory of a user named "geek"

    (e) File called letter.doc in a subdirectory (called letters) of the currrent directory

    (f) The directory called tmp which is directly under the root directory

    (g) What command will copy all the C souce files (files that end with ".c") in your current directory to a subdirectory called Backup/01?
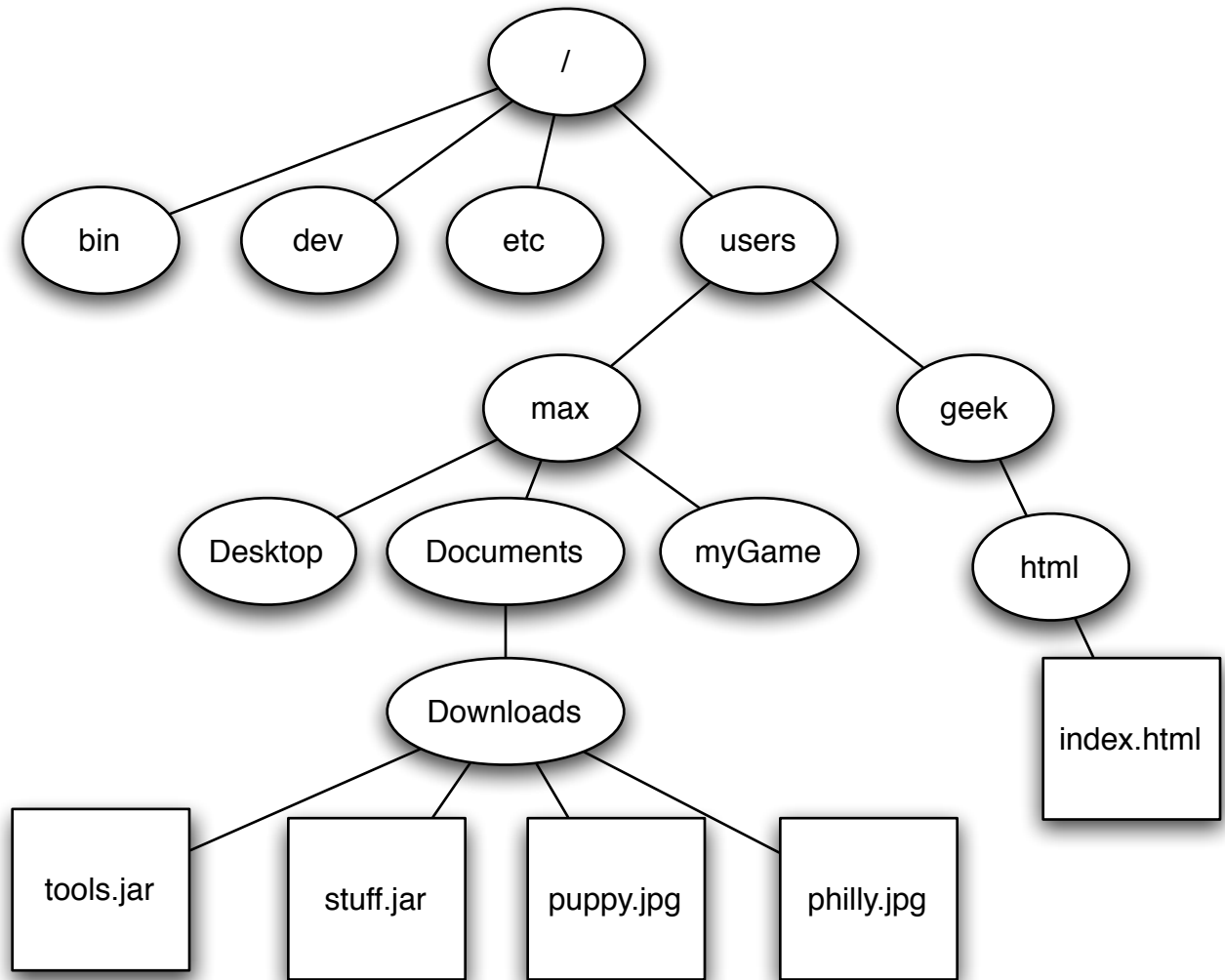
Figure 1: Sample Unix File System

7. Consider the Sample Unix File System on the previous page. Assume that your username is "max" and another user's name is "geek". Note: Several of these questions have more than one correct answer. Unless otherwise specified, giving one correct answer is sufficient.

    (a) When you log on, you are placed in your home directory. How can you see the names of all the files and directories in your current directory, along with their size, modification time, etc.?

    (b) What is the full pathname to the etc directory?

    (c) From your home directory, what is the relative pathname to the etc directory?

    (d) The user geek has a web page called "index.html" in their html directory. While in your home directory, what unix command could you use to display the contents of that file (which would show all the html tags in it)?

    (e) Assuming that you are in your home directory, what command could you use to change your current working directory to be the "myGame" directory under your home directory?

    (f) How can you verify that you got there?

    (g) While in the myGame directory, how could you move (not copy) all the files that end in ".jar" (and only those files) from your Downloads directory in to your current directory?

    (h) What command can you use to go back to your home directory, no matter what your current working directory is, with a single command?