CpSc 207 Exam 1

Fall 2011

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. (3 pts) Name an application that comes standard with MS Windows for managing files.
2. (3 pts) When writing DOS scripts, the DOS commands must be placed in a file with the extension of \_\_\_\_\_\_\_\_\_\_\_\_\_\_ .
3. (6 pts) List three items that the DOS *for* command can iterate (repeat) through.
4. (6 pts) Define the term *hierarchical file system* in terms of a tree. Provide a diagram of a tree and label the top node, an inner node, and a bottom node.
5. (5 pts) In the File manager, “Windows Explorer”, you can select a *details* view.
6. What information is shown?
7. How do you get similar information from the Unix machine?
8. (10 pts) For each of the following five questions, give a single DOS command, assuming you are currently in the h:\ directory:
9. create a directory named exam1 on your h: drive
10. copy the file a:\file.txt to the exam1 directory where it will have the same name
11. display the complete contents of the exam1 directory
12. rename the file named file.txt in exam1 to be myfile.txt in the exam1 directory
13. remove all the files from the exam1 directory
14. (24 pts) Give only the **name** of the DOS and the UNIX command for each of the following:

|  |  |  |
| --- | --- | --- |
|  | DOS | UNIX |
| Change directory |  |  |
| Copy a file |  |  |
| Create a directory |  |  |
| Display a list of the files  in the current directory |  |  |
| Rename a file |  |  |
| Delete a file |  |  |
| Get help with a command |  |  |
| Display the contents of a file |  |  |

1. (5 pts) What is the output of the following batch script

@echo off

set var=Browns   
echo %vars%   
echo "rule"   
set x=Steelers   
set x=%x% Drool   
echo x   
echo %x%

1. (4 pts) What is the effect of the Unix command **cd**
2. if you are in your home directory
3. if you are in the root director (/)
4. (4 pts)What is the effect of Unix command **cd ..**
5. if you are in your home directory
6. if you are in the root directory (/)
7. (18 points) For each of the following 6 questions, provide a single Unix command to complete the task.

Remove a directory named temp1: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Change permissions on directory named temp1 so that the group can create files within the directory \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Display who is on the system: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Display the current working directory: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Display the user’s login ID: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Display the value of **variable:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. (4 pts) Given the following permissions for a directory named cs207: dr-x---r—
2. What would the permissions be after the command **chmod gu+w cs207** was issued?
3. What would the permissions be after the command **chmod 700 cs207** was issued?
4. (4 pts) What is the difference between a Unix hard link and a symbolic link?
5. (4 pts) For Unix, give both a full pathname and relative pathname solution that copies the file “tmp.dat” in the current working directory (/home/example) to the file called “assign1.dat”.