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INFO 3401

Problem Set 2

1. **Briefly describe what the following set of commands would achieve. What process would happen and what would be printed to the command line?**  
     
   **cd ~** - it changes the directory  
   **mkdir ./problem\_set\_1** – makes a new folder with the problem set 1  
   **touch submission.txt** – change file access and modification times  
   **cd ..** – change the current directory to a parent directory  
   **pwd** – print working directory
2. **What set of commands would you use to achieve the following:   
   Copy a document called config.txt from your home directory to the root directory. Then, create a new directory in the root called preferences. Within preferences, copy prefs.txt from a matching directory called preferences in your home directory. Finally, determine that the start and end of the config.txt document in both root and home match.**

Type in: cp config.txt/. Then type mkdir./preferences. Next type cd ~ .preferences. Finally type pwd.

1. **Why do you think it is important to have the following shortcuts for navigating the file structure?**  
   **A. Root** - This is important because you need to have the ability to change the root, and/or locate the current root  
   **B. Home** – This is important because you need to be able to get back home in order to do various operations that aren’t possible unless you are there. Most of the time you want to start home before performing functions.  
   **C. Parent** – This is important because you may need to know where you are within the program, and which part is being used
2. **Assume all of the directories below are valid directories (e.g., they exist and we have access to them). What would the following print out?**  
     
   cd /usrs/INFO3401/../homework/./problem1  
   pwd

This would print out the problem 1 homework that is inside of the INFO3401 directory. It is displayed due to the use of the pwd function.

1. **You have accidentally moved a file (~/Documents/datafile.csv) to your current directory rather than copying it. What command did you use to do that? What command should you have used to do that? What command might you use to undo it?**

You most likely used the mv command to move the file. You should have used the cp command to copy the file. If you would like to undo this, you could use the rm command to remove the file from this directory.