

**CIS-350**  
**Infrastructure Technologies**  
**Lab 5 Report**

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Your home directory is your login directory. Linux commands are case sensitive, the vast majority of them is in lower case. File names are also case sensitive. Open pico/nano/vi editor and type a brief evaluation of the lab. Describe what commands worked and what did not? Change a directory on your local machine to the desktop and download the evaluation file to your desktop using a PSFTP client and command *get*. Print the file and attach it to this report. To download, the PSFTP commands such as *lpwd* and *lcd* would be useful to check the default directory and change the directory, respectively, on your local machine. In PSFTP use command *help* to display the list of commands.

1. What command would you use to find out which shell is your log in shell? **echo \$SHELL**
2. What command would you use to output the directory listing (in a long form and including invisible files) to both the computer screen and file *myfile* at the same time?  
**ls -al | tee myfile**
3. Assume a file named *Fruits* that you created in your home directory contains several spelling errors. What command would you use to find these errors in file *Fruits*?  
**spell Fruits**
4. Assume that you created a script file named *MyMenu*. What command would you use to execute the script file?  
**./MyMenu**
5. What command would you use to display the first 4 lines in a file named *prog1.c*?  
**head -4 prog1.c**
6. What command would you use to display the calendar for year 2017?  
**cal 2017**
7. What command would you use to put a current shell to sleep for 50 seconds?  
**sleep 50**
8. Assume that a file named *MyNeighbors* exists in your home directory. What would the command *wc MyNeighbors* generate? Describe.  
**The wc command generates newline count, word count, and byte count for the MyNeighbors file**
9. Assume that a file named *LastNames* exists in your home directory. What command would you use to find all occurrences of word *Brown* in file *LastNames*?  
**grep Brown LastNames**
10. What is the command to display the current date?  
**date**
11. An *ls -al myfile.c* command displayed the following attributes of file *myfile.c*. Describe all the attributes, including the access permissions given to the three groups of users and the permission types.  
- rwx r-x r--            asbrow15            250            Nov 20 15:45    myfile.c

**User is given permission to read write and execute, group has permissions to read and execute, and others can read only**