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Your home directory is your login directory. Linux commands are <u>case sensitive</u>. The vast majority of them is written in <u>lower case</u>. File names and directory names are also case sensitive. For example, John and john are two different files.

1. What does the *echo $SHELL* command do? Describe briefly. **It allows you to find out which shell is the proper login 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 *MyNames* at the same time? **ls -al | MyNames**

3. Assume a file named *FirstNames* that you created in your home directory contains several spelling errors. What command would you use to find these errors in file *FirstNames*? **spell FirstNames**

4. Assume that you created a script file named *DisplayMenu*. What command would you use to execute the script file?

    DisplayMenu

5. What command would you use to display the first 3 lines in a file named *Prog4.c*? **head -3 Prog4**

6. What command would you use to display the calendar for year 2019? **cal 2019**

7. What command would you use to put a current shell to sleep for 100 seconds? **sleep 100**

8. Assume that a file named *FirstNames* exists in your home directory. What would the command *wc FirstNames* generate? Describe. **It would show three different numbers for the FirstNames file. Those files are line count, word count and character count.**

9. Assume that a file named *FirstNames* exists in your home directory. What command would you use to find all occurrences of word *Mary* in file *FirstNames*? **grep Mary FirstNames**

10. What is the command to display the current date? **date**

11. A command that clears the screen is **clear**

12. What does a command *chmod u-rw+x designmenu* do? Briefly describe.
    It gives the user permission to execute the file design menu but does not allow the user to read and write the file.

13. An *ls –al Prog4.c* command displayed the following attributes of file *Prog4.c*. Describe <u>all</u> attributes, including the 3 groups of users, access permissions given to each of the 3 groups of users and the permission types.
    - r-x r-- ---   absmit20   550   Nov 3 16:45 2019   Prog4.c
    absmit20 has permission to read and execute the Prog4.c file. The users in the owner's group can only read the file. Everyone else cannot have access to the file. 550 is the octal version of the access permissions. The date is the time that the file was last modified or created. Prog4.c is the file name.

14. Describe briefly which commands did not work. _____
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