1. List all the files and directories in your user directory
2. Observe the permission for each file and directories.
3. For Directory give the following permission using **chmod** cmd
   **a. VP Sales**
      i. User – rwx
      ii. Group – r-x
      iii. Others – r- -
   **b. People**
      i. User – r - -
      ii. Group – r- -
      iii. Others – r- -
   **c. Sales Rep**
      i. User – r - -
      ii. Group – - - -
      iii. Others – r- -
4. For Directory give the following permission using **chmod** cmd using Numeric values
   **a. Product Lead**
      i. User – -w-
      ii. Group – rwx
      iii. Others – rwx
   **b. Senior Developer**
      i. User – rwx
      ii. Group – rw-
      iii. Others – --x
   **c. Tech Lead**
      i. User – r - x
      ii. Group – r- x
      iii. Others – rwx

5. For the following files change permissions using **chmod** cmd
   a. abc1-xyz
       i. User – r - x
       ii. Group – r- x
       iii. Others – r-x
   b. abc2-xyz
       i. User – rwx
       ii. Group – rwx
       iii. Others – rwx
   c. abc3-xyz
       i. User – - - -
       ii. Group – - -x
       iii. Others – r--
**6.** For the following files change permissions using **chmod** cmd
   **(Numeric values)**
   a. abc4-xyz
       i. User – r - x
       ii. Group – ---
       iii. Others – --x
   b. abc5-xyz
       i. User – r - x
       ii. Group – r- x
       iii. Others – r-x
   c. abc6-xyz
       i. User – r - x
       ii. Group – r- x
       iii. Others – r-x

7. Create a file – **SoftLinkTest** under your user directory, input some text and **cat** it to display its contents.

8. Repeat the same for file – **HardLinkTest**.

9. Create softlink for file SoftLinkTest uner /tmp directory using **ln-s** cmd

10. Create hardlink for file **HardLinkTest** uner /tmp directory using **ln** cmd

11. Check the **inodes** for each file and its link

12. **Update** the file **contents** and observe the changes

13. **Delete** the **files** and observe the changes

14. Create a **hard** and **soft link** for a directory of your choice and record the results.

15. Use cp cmd to copy a directory of your choice into CEO directory. Try with **empty** as well as with **sub directories**.

16. Go to /var/log, display the contents of file messages using **more** and **less**, **head** and **tail** cmd

17. Go to /bin, run cmd **ls -l** | more

18. Go to /bin, run cmd **ls -l** | less

19. Go to /bin, run cmd **ls -l** | head

20. Go to /bin, run cmd **ls -l** | tail

21. Run **head** and **tail** cmd to get specified number of lines displayed eg. head -5, tail -3 etc.

22. Understand the use of Pipe |.