

Outputs of the following commands :

1. pwd – current address(/home/mahendra)
2. cd - change directory
3. ls – list of objects in the directory
4. mkdir – make directory
5. rm - remove
6. touch – change date and time of files and use to make files
7. hostname - name of system(kali)
8. cat – concatenation of file and used to view data of files
9. chmod – used to change the mode of file
10. echo – used to generate text on display
11. grep – used to find a word in files
12. fgrep – used to find fixed string in files
13. mv –move
14. cp - copy
15. more - view large page files
16. less – view files like more but more powerful
17. wc – used for word count
18. awk – used for text processing and pattern scanning
19. sed – used for text submission
20. tail – view last line of files

Answers to the following Questions: (you need to supply commands)

1. How to navigate to a Specific Directory?
 - cd
2. How to see detailed information about files and directories using ls?
 - ls or ls -l
3. How to create multiple directories in Linux using mkdir command?
 - mkdir dir1 dir2 dir3
4. How to remove multiple files at once with rm?
 - rm *.txt
5. Can rm be used to delete directories?
 - yes
6. How Do You Copy Files and Directories in Linux?
 - cp file1.txt
7. How to Rename a file in Linux Using mv Command?
 - mv oldname.txt newname.txt
8. How to Move Multiple files in Linux Using mv Command?

- `move a.txt b.txt home/`
- 9. How to Create Multiple Empty Files by Using Touch Command in Linux?
 - `touch a.txt b.txt`
- 10. How to View the Content of Multiple Files in Linux?
 - `cat`
- 11. How to Create a file and add content in Linux Using cat Command?
 - `cat > file.txt`
- 12. How to Append the Contents of One File to the End of Another File using cat command ?
 - `cat file1.txt >> file2.txt`
- 13. How to use cat command if the file has a lot of content and can't fit in the terminal?
 - `cat largefile.txt | less`
- 14. How to Merge Contents of Multiple Files Using cat Command ?
 - `cat file1.txt file2.txt > merged.txt`
- 15. How to use cat Command to Append to an Existing File ?
 - `cat new_content.txt >> existing_file.txt`
- 16. What is “`chmod 777`”, “`chmod 755`” and “`chmod +x`” or “`chmod a+x`”?
 - `chmod 777 file`: Full read, write, and execute permissions for all users.
 - `chmod 755 file`: Owner has full permissions, others can only read and execute.
 - `chmod +x file`: Makes a file executable.
 - `chmod a+x file`: Grants execute permission to all users.
- 17. How to find the number of lines that matches the given string/pattern ?
 - `grep`
- 18. How to display the files that contains the given string/pattern ?
 - `fgrep`
- 19. How to show the line number of file with the line matched ?
 - `grep -n`
- 20. How to match the lines that start with a string using grep ?
 - `grep "^-----" file.txt`
- 21. Can the ‘sort’ command be used to sort files in descending order by default?
 - no
- 22. How can I sort a file based on a specific column using the ‘sort’ command?
 - `sort -k n file.txt`
(n=column no.)