Basic Commands
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1.You have a directory named "documents" containing multiple subdirectories and files.
Provide a command to list all files and directories within "documents," including hidden
ones, in long format, and sorted by modification time.

command : cd Documents
          ls - lat

2.In your home directory, you have a mix of files and directories. How can you list only the directories,
excluding any files?

command : ls -d */

3.You want to create a directory structure named "project2023/docs/reports" in a single
command. How would you accomplish this using the `-p` option?

command : mkdir -p project2023/docs/reports

4. While creating a new directory with the `-v` option, you want to display a message
indicating whether the directory was successfully created. How can you achieve this?

command : mkdir -v directory_name

5.You have an empty directory named "old_data" that contains subdirectories. Use the `-p`
option to remove "old_data" and its subdirectories

command : rmdir -p old_data

6. While removing a directory with the `-v` option, you want to display a message confirming
the removal of each subdirectory. How can you do this?

command : rmdir -v new_directory

7.You have a directory named "archive" containing both files and subdirectories. How can
you recursively remove "archive" and its contents using the `-r` option?

command : rm -r archive

8. You want to remove a directory named "temp. Describe the command to delete it onlyif
it's empty.

command : rmdir temp

9:You have a file named "important.txt" that you want to delete without being prompted
for confirmation.

command : rm -f important

10.you need to copy all files from the directory "~/happy" to "/tmp" while preserving their
permissions and timestamps.

command : cp -p happy/* tmp

11.You have a directory named "backup" containing multiple files. Explain how you can
copy the entire "backup" directory and its contents to a new location.

command : cp -r /home/lab05-pc05/Pictures/backup /home/lab05-pc05/Music/test

12.You have a file named "file.txt" in your home directory, and you want to move it to a
subdirectory named "~/Documents.

command : mv file Documents

13.. You need to rename a directory from "happy" to "iamhappy" in the current directory.How would you do this?

command : mv happy iamhappy