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**Task ID: Task 1**

**GitHub Repository Link: https://github.com/Saichandu51/Task-1.git**

1. Creating and Renaming Files/Directories  
 Command  
 mkdir test\_dir

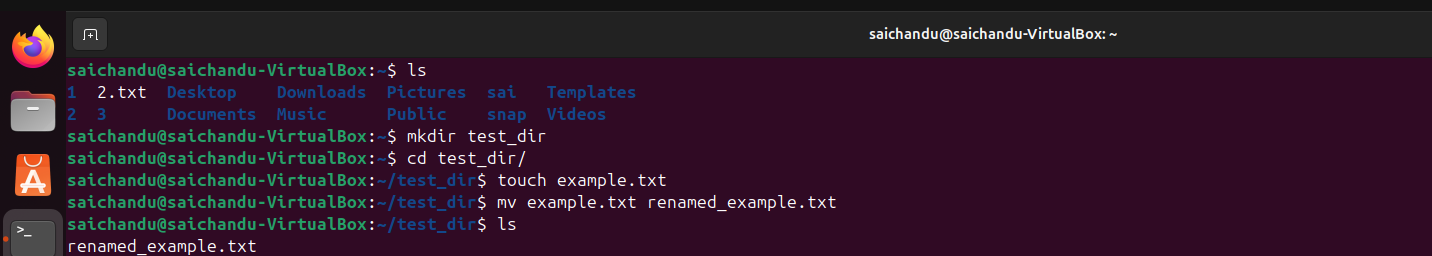
cd test\_dir

touch example.txt

mv example.txt renamed\_example.txt

**Explanation**

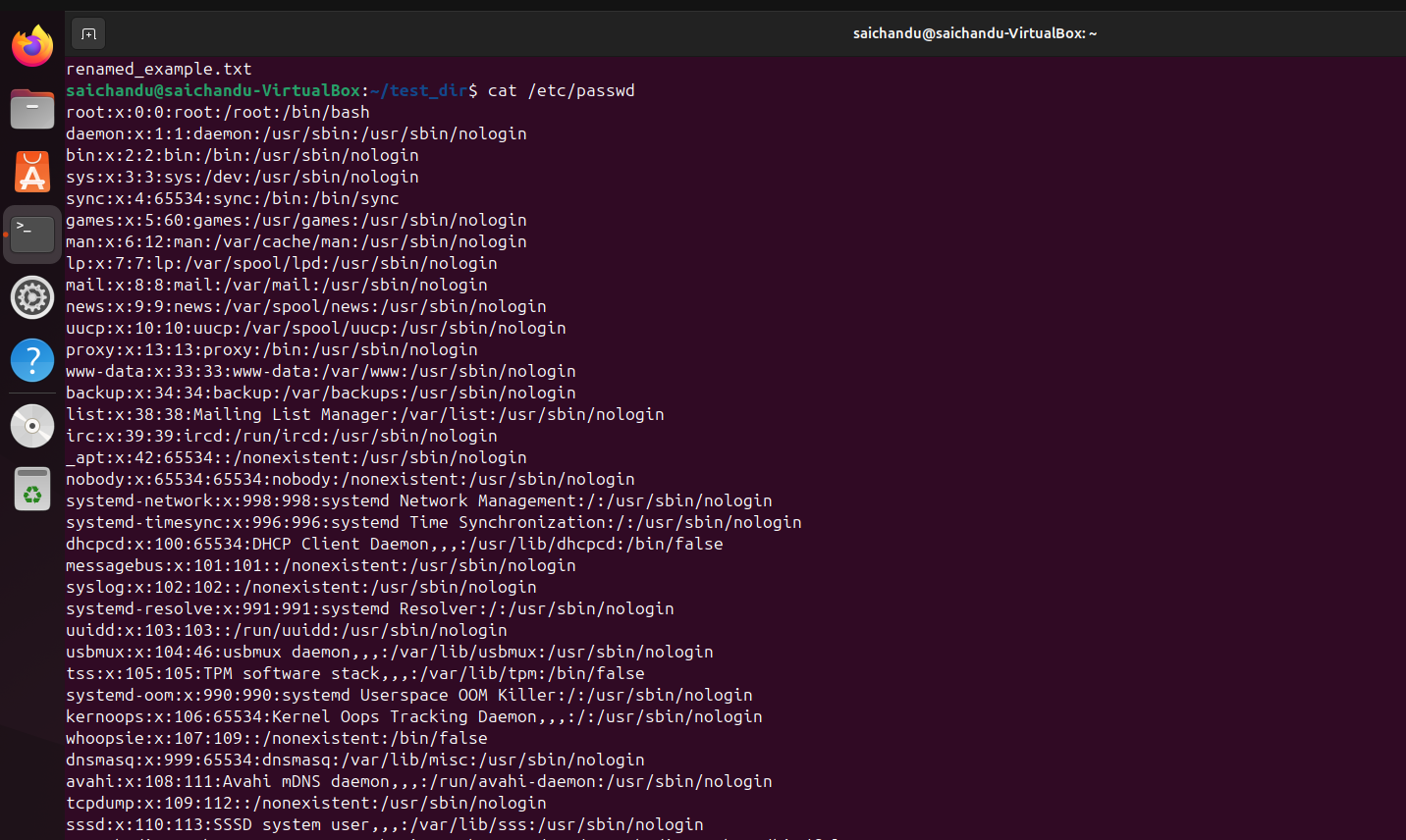
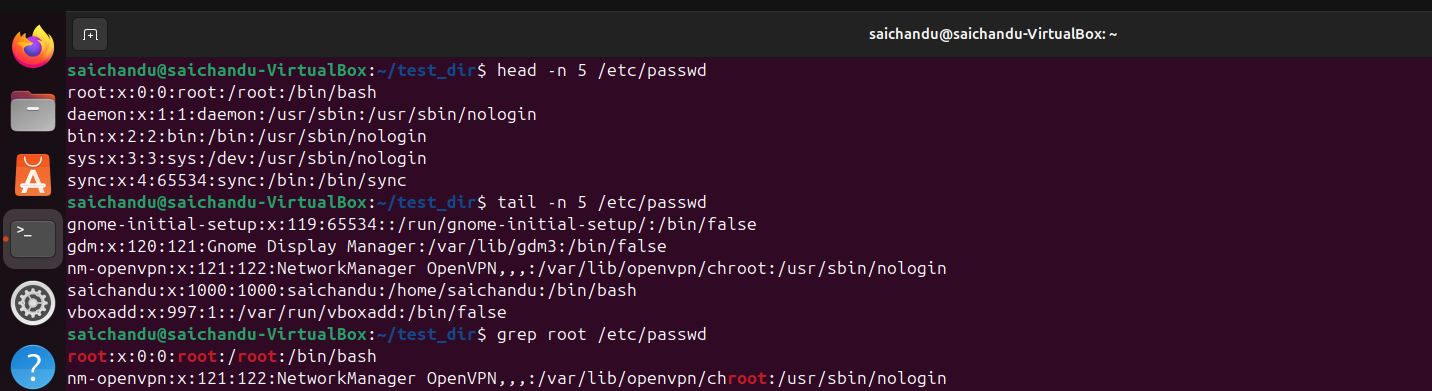
* mkdir test\_dir creates a new directory.
* touch example.txt creates an empty file.
* mv example.txt renamed\_example.txt renames the file.



2. Viewing File Contents  
 Command  
 cat /etc/passwd

head -n 5 /etc/passwd

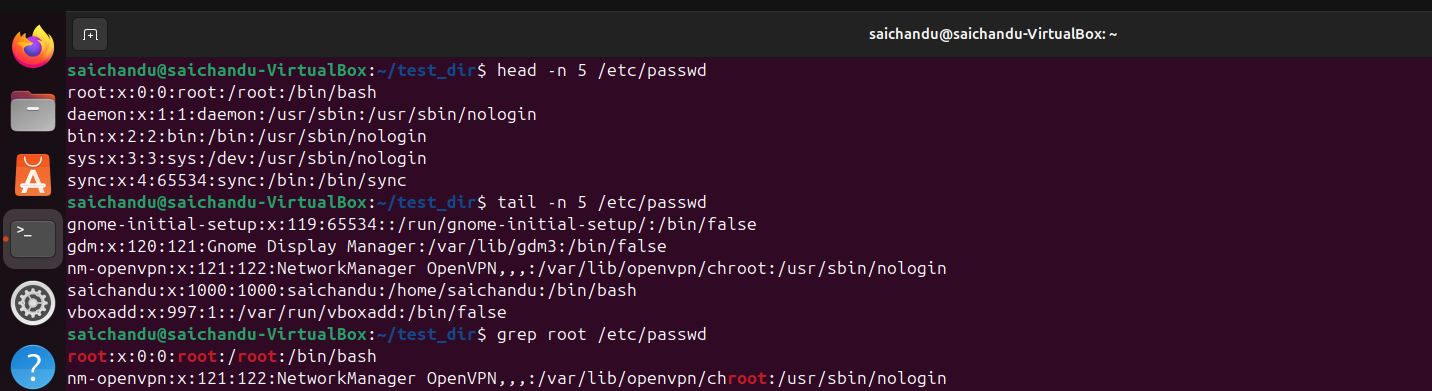
tail -n 5 /etc/passwd  
**Explanation**

* cat displays the entire content.
* head shows the first 5 lines.
* tail shows the last 5 lines.

3. Searching for Patterns

Command  
 grep ‘root’ /etc/passwd

**Explanation**

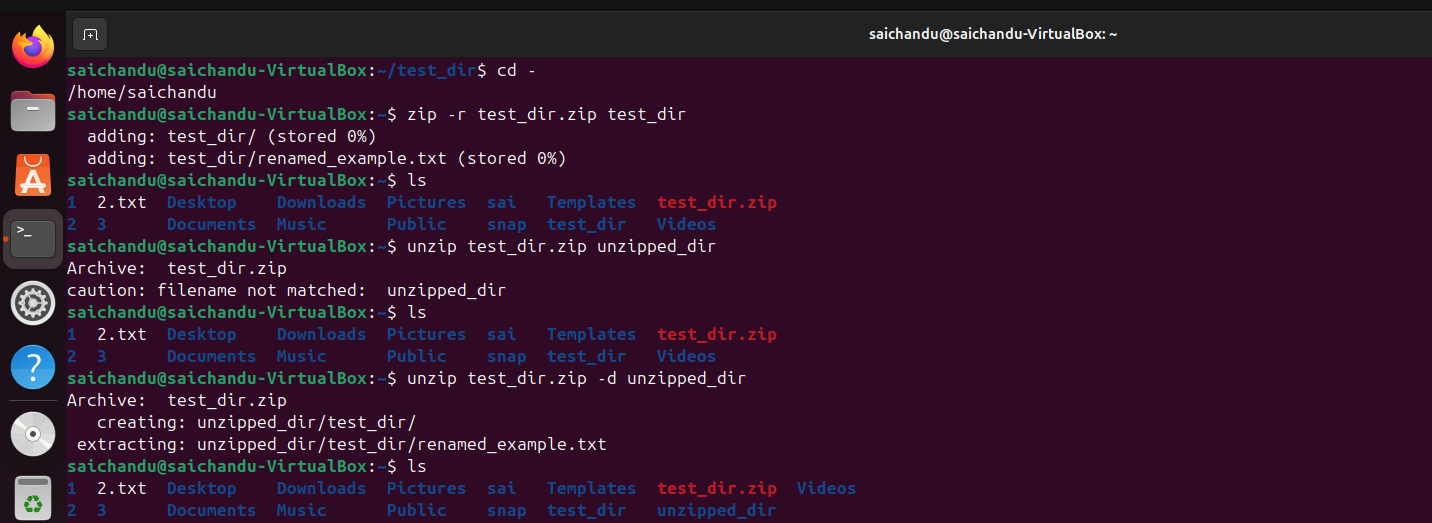
* grep 'root' finds all lines that include the word **root**

4. Zipping and Unzipping

Command  
 zip -r test\_dir.zip test\_dir

mkdir unzipped\_dir

unzip test\_dir.zip -d unzipped\_dir  
**Explanation**

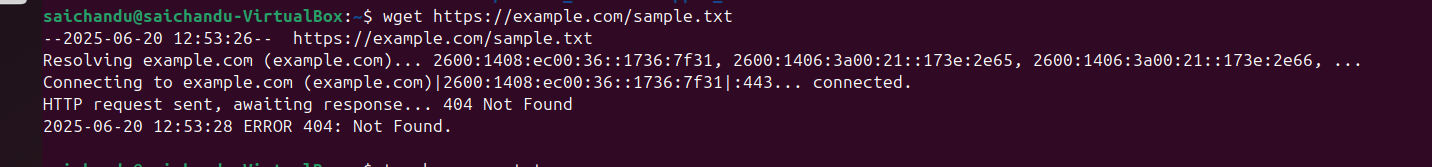
* zip -r compresses a folder recursively.
* unzip -d extracts the contents to a new folder.

5. Downloading Files

Command

wget <https://example.com/sample.txt>

**Explanation**

* wget downloads the file from the given URL.

6. Changing Permissions  
 Command  
 touch secure.txt

chmod 444 secure.txt

**Explanation**

* chmod 444 makes the file read-only for owner, group, and others.
* 4 – Read only
* 3 – Write only
* 1 – Execute only

7. Working with Environment Variables  
Command

export MY\_VAR="Hello, Saichandu"

echo $MY\_VAR

**Explanation**

* export sets an environment variable.
* echo confirms the variable is stored.