**Name:- Kshitija Randive**

**Assignment 1: Linux Basics**

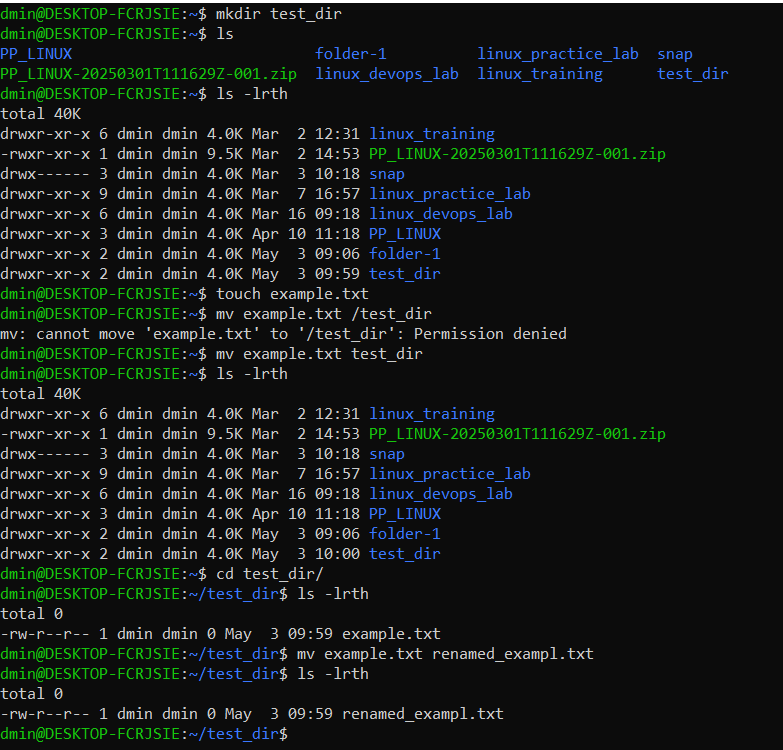
**1. Creating and Renaming Files/Directories**

Create a directory named test\_dir using mkdir.

Inside test\_dir, create an empty file called example.txt using touch.

Rename example.txt to renamed\_example.txt using mv

**Ans:-**



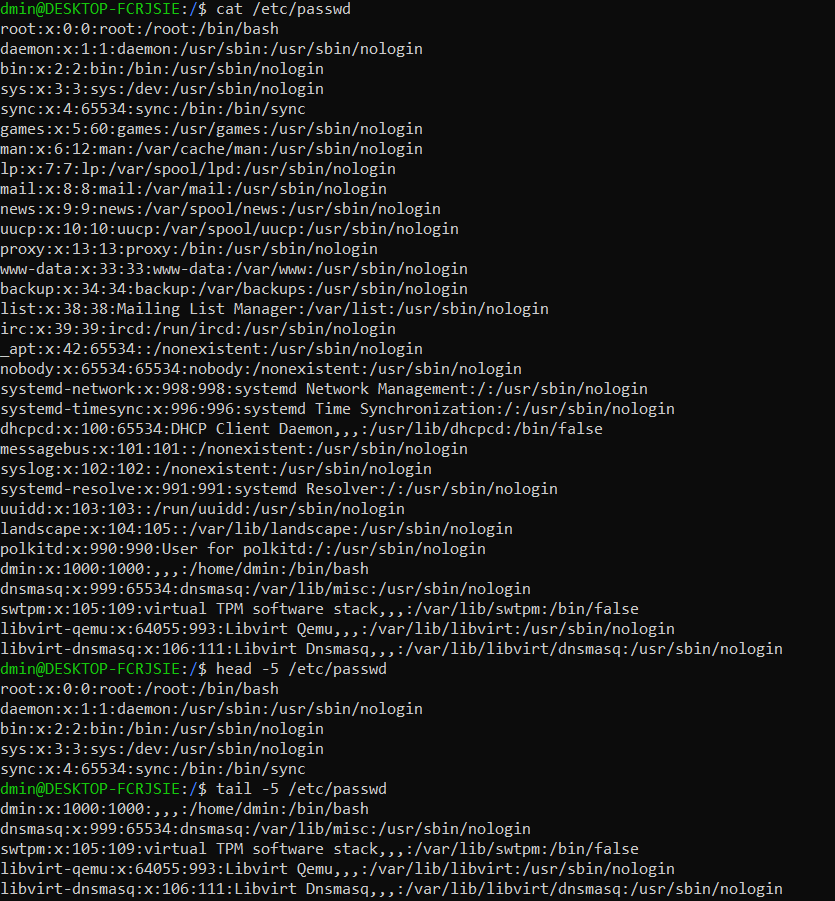
**2. Viewing File Contents**

Use cat to display the contents of /etc/passwd.

Display only the first 5 lines of /etc/passwd using head.

Display only the last 5 lines of /etc/passwd using tail.

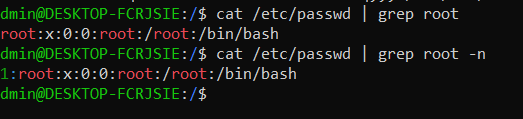
**Ans:-**



**3.Searching for Patterns**

Use grep to find all lines containing the word "root" in /etc/passwd.

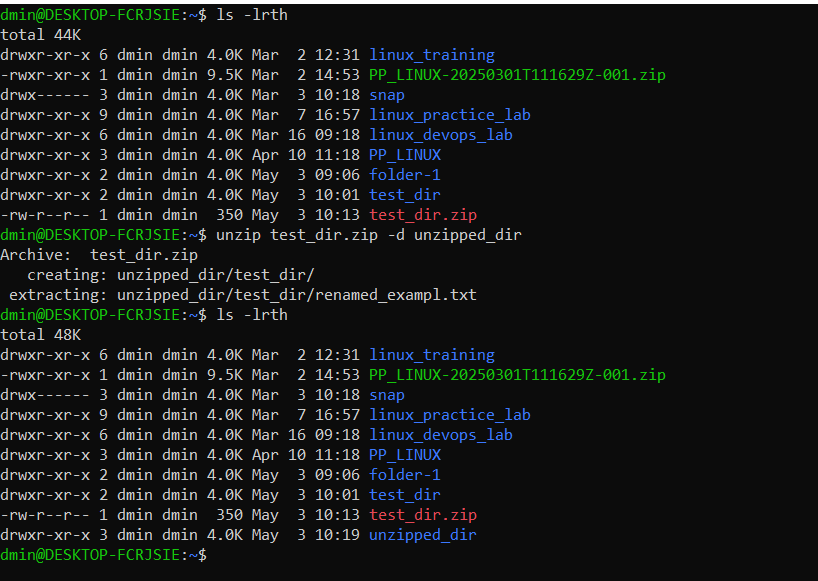
**Ans:-**



**4. Zipping and Unzipping**

Compress the test\_dir directory into a file named test\_dir.zip using zip.

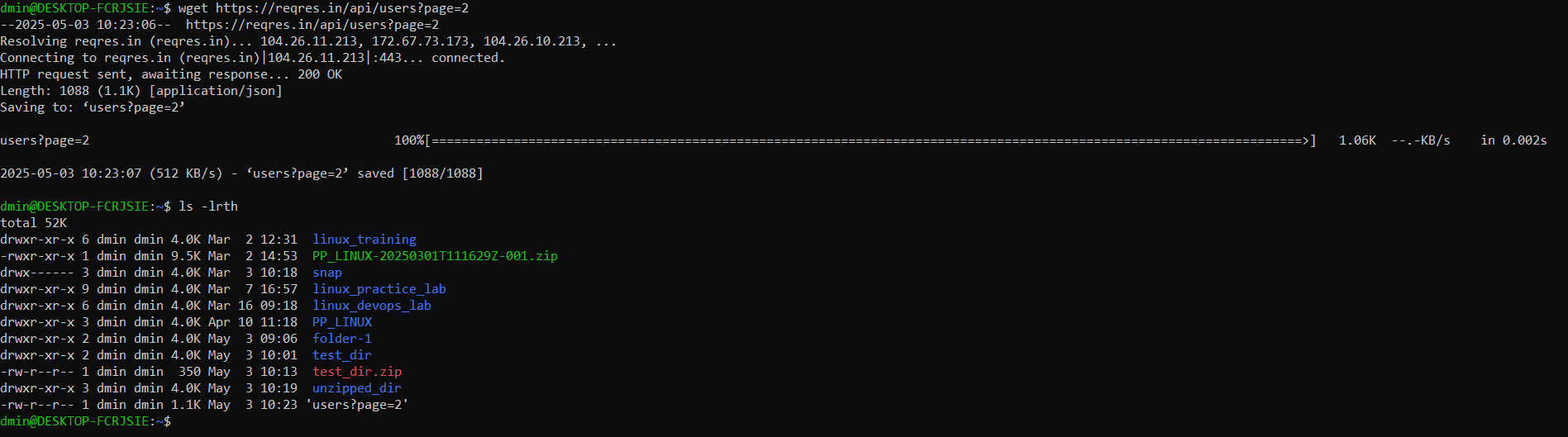
Unzip test\_dir.zip into a new directory named unzipped\_dir.

**Ans:-** 

**5. Downloading Files**

Use wget to download a file from a URL (e.g., <https://example.com/sample.txt>).

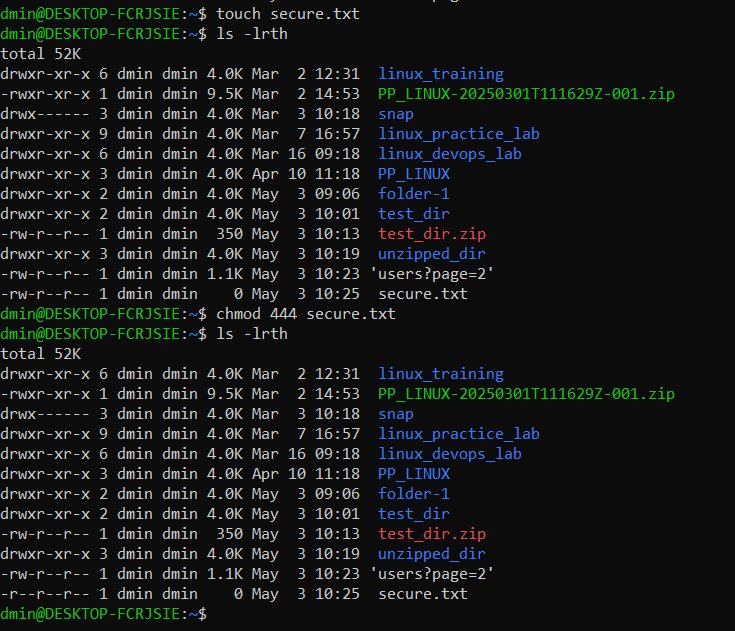
**Ans:-**



**6. Changing Permissions**

Create a file named secure.txt and change its permissions to read-only for everyone using chmod.

**Ans:-**



**7. Working with Environment Variables**

Use export to set a new environment variable called MY\_VAR with the value "Hello, Linux!".

**Ans:-**

