**TUTEDUDE\_LINUX\_TASK\_VIPINKUMAR\_MISHRA**

1. Creating and Renaming Files/Directories

#Create a directory named test\_dir using mkdir.

mkdir test\_dir

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

cd test\_dir; touch example.txt

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

mv example.txt renamed\_example.txt

2. Viewing File Contents

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

cat /etc/passwd

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

head /etc/passwd

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

tail /etc/passwd

3.Searching for Patterns

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

grep -i root /etc/passwd

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.

zip -r test\_dir.zip test\_dir

unzip test\_dir.zip

5. Downloading Files

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

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

6. Changing Permissions

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

touch secure

sudo chmod 444 secure.txt

7. Working with Environment Variables

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

export MY\_VAR="Hello, Linux!"