Linux Commands Assignment

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Platform Used: Ubuntu via WSL / Online Terminal / Other

# 1. Creating and Renaming Files/Directories

Commands Used:

mkdir test\_dir  
cd test\_dir  
touch example.txt  
mv example.txt renamed\_example.txt  
cd ..

Explanation:

Created a directory named test\_dir, created an empty file inside it, and renamed it.

Screenshot: (Insert screenshot here)

# 2. Viewing File Contents

Commands Used:

cat /etc/passwd  
head -n 5 /etc/passwd  
tail -n 5 /etc/passwd

Explanation:

Displayed the contents of /etc/passwd, then showed first and last 5 lines using head and tail.

Screenshot: (Insert screenshot here)

# 3. Searching for Patterns

Commands Used:

grep "root" /etc/passwd

Explanation:

Searched for lines containing the word "root" in the /etc/passwd file.

Screenshot: (Insert screenshot here)

# 4. Zipping and Unzipping

Commands Used:

sudo apt update  
sudo apt install zip unzip -y  
zip -r test\_dir.zip test\_dir  
mkdir unzipped\_dir  
unzip test\_dir.zip -d unzipped\_dir

Explanation:

Installed zip/unzip tools, zipped test\_dir and extracted it into unzipped\_dir.

Screenshot: (Insert screenshot here)

# 5. Downloading Files

Commands Used:

sudo apt install wget -y  
wget https://example.com/sample.txt

Explanation:

Installed wget and downloaded a file using the provided URL.

Screenshot: (Insert screenshot here)

# 6. Changing Permissions

Commands Used:

touch secure.txt  
chmod 444 secure.txt  
ls -l secure.txt

Explanation:

Created a file and made it read-only for everyone using chmod.

Screenshot: (Insert screenshot here)

# 7. Working with Environment Variables

Commands Used:

export MY\_VAR="Hello, Linux!"  
echo $MY\_VAR

Explanation:

Set an environment variable and displayed its value using echo.

Screenshot: (Insert screenshot here)

# GitHub Repository

[Paste your GitHub repo link here]

Make sure the repo includes:

- commands.sh file with all commands  
- Optional: screenshots or readme