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

mkdir test\_dir

cd test\_dir

touch example.txt

mv example.txt renamed\_example.txt

**Explanation:**

* mkdir creates a new directory.
* touch creates an empty file.
* mv renames or moves a file.

1. **Viewing File Contents**

cat /etc/passwd

head -n 5 /etc/passwd

tail -n 5 /etc/passwd

**Explanation:**

* cat prints full file contents.
* head and tail show the top and bottom lines of a file respectively.

1. **Searching for Patterns**

grep "root" /etc/passwd

**Explanation:**

* grep searches for lines matching a string pattern (in this case, "root").

1. **Zipping and Unzipping**

cd ..

zip -r test\_dir.zip test\_dir

unzip test\_dir.zip -d unzipped\_dir

**Explanation:**

* zip -r recursively compresses a directory.
* unzip -d extracts to a specific directory.

1. **Downloading Files**

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

**Explanation:**

* wget fetches files from a URL (replace with a valid downloadable URL).

1. **Changing Permissions**

touch secure.txt

chmod 444 secure.txt

**Explanation:**

* chmod 444 sets read-only permission for user, group, and others.

1. **Working with Environment Variables**

export MY\_VAR="Hello, Linux!"

**Explanation:**

* export sets an environment variable for the current shell session.