## Create a directory and manage files

# Create a directory named test\_dir

mkdir test\_dir

# Navigate into the directory

cd test\_dir

# Create an empty file called example.txt

touch example.txt

# Rename example.txt to renamed\_example.txt

mv example.txt renamed\_example.txt

## Display /etc/passwd contents

* # Display the contents of /etc/passwd

cat /etc/passwd

# Display only the first 5 lines of /etc/passwd

head -n 5 /etc/passwd

# Display only the last 5 lines of /etc/passwd

tail -n 5 /etc/passwd

## Find lines containing 'root'

grep "root" /etc/passwd

grep -w "root" /etc/passwd

## Compress and decompress a directory

cd ..

zip -r test\_dir.zip test\_dir

mkdir unzipped\_dir

unzip test\_dir.zip -d unzipped\_dir

## Download a file using wget

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

## Create a file and set read-only permissions

touch secure.txt

chmod 444 secure.txt

ls -l secure.txt

-r--r--r-- 1 user group 0 May 30 12:00 secure.txt

## Set an environment variable

export MY\_VAR="Hello, Linux!"

echo $MY\_VAR