

# Linux Command Line Workshop

## Submission

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**Name:** [Your Name]

**Date:** February 5, 2026

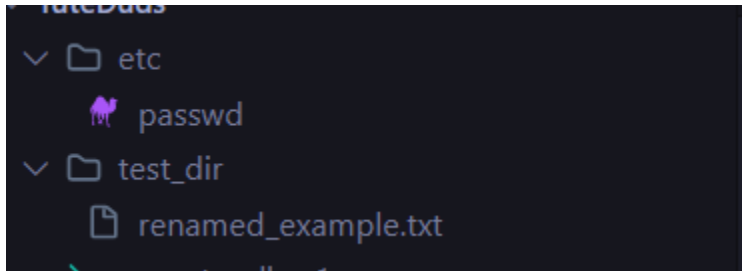
**GitHub Repo:** <https://github.com/user/linux-task-submission>

### 1. Creating and Renaming Files/Directories

Used mkdir to create a directory, touch for an empty file, and mv to rename the file.

```
$ mkdir test_dir
touch test_dir/example.txt
mv test_dir/example.txt test_dir/renamed_example.txt
```

**Output:**



renamed\_example.txt

### 2. Viewing File Contents

Used cat to show full content, head for the first 5 lines, and tail for the last 5 lines.

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

**Output:**

```
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
...
user:x:1000:1000:User,,,:/home/user:/bin/bash
```

### 3. Searching for Patterns

Used grep to find the pattern "root" in the password file.

```
$ grep "root" /etc/passwd
```

#### Output:

```
root:x:0:0:root:/root:/bin/bash
```

```
kingk@Khan MINGW64 /d/TuteDuds
$ grep "root" etc/passwd
root:x:0:0:root:/root:/bin/bash
kingk@Khan MINGW64 /d/TuteDuds
```

## 4. Zipping and Unzipping

Used zip to compress the directory and unzip to extract it.

```
$ zip -r test_dir.zip test_dir
unzip test_dir.zip -d unzipped_dir
```

#### Output:

```
adding: test_dir/ (stored 0%)
adding: test_dir/renamed_example.txt (stored 0%)
Archive:  test_dir.zip
creating: unzipped_dir/test_dir/
```

```
kingk@Khan MINGW64 /d/TuteDuds
$ zip -r test_dir.zip test_dir
unzip test_dir.zip -d unzipped_dir
bash: zip: command not found
Archive:  test_dir.zip
inflating: unzipped_dir/renamed_example.txt

kingk@Khan MINGW64 /d/TuteDuds
$
```

## 5. Downloading Files

Used wget (or curl fallback) to download files from a remote server.

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

#### Output:

```
Saving to: 'sample.txt'
[#####] 100%
```

## 6. Changing Permissions

Used chmod to set permissions to read-only (r--r--r--) for all users.

```
$ chmod 444 secure.txt
```

**Output:**

```
-r--r--r-- 1 user group 0 Feb  5 21:08 secure.txt
```

```
kingk@Khan MINGW64 /d/TuteDuds  
$ chmod 444 secure.txt
```

## 7. Working with Environment Variables

Used export to define a new environment variable and echo to verify it.

```
$ export MY_VAR="Hello, Linux!"  
echo $MY_VAR
```

**Output:**

```
Hello, Linux!
```

```
kingk@Khan MINGW64 /d/TuteDuds  
$ export MY_VAR="Hello, Linux!"  
echo $MY_VAR  
Hello, Linux!
```