

## Report:

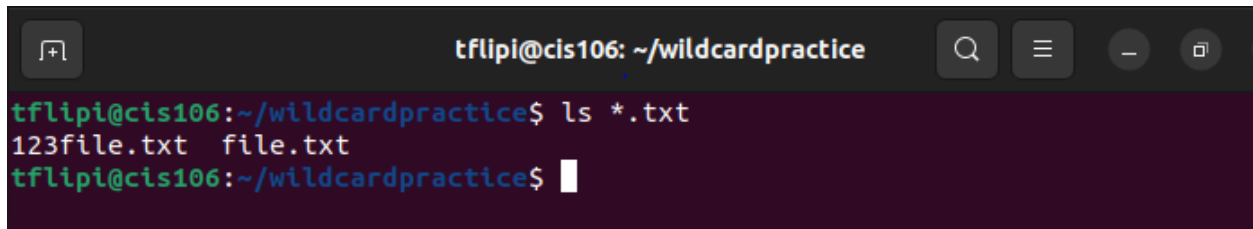
### Wildcards Examples practice:

The wildcard matches from 0 to any number of characters.

#### Practice 1:

\* List all the text file in a directory

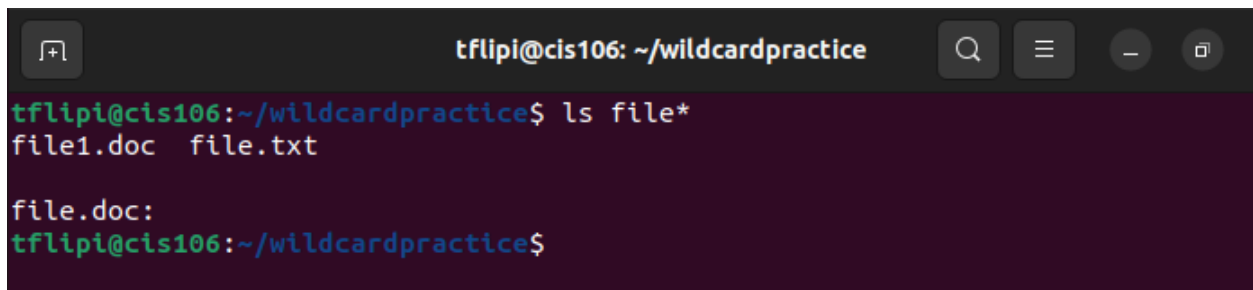
ls \*.txt



```
tflipi@cis106: ~/wildcardpractice
tflipi@cis106:~/wildcardpractice$ ls *.txt
123file.txt  file.txt
tflipi@cis106:~/wildcardpractice$
```

List all the files that start with the word file

ls file\*

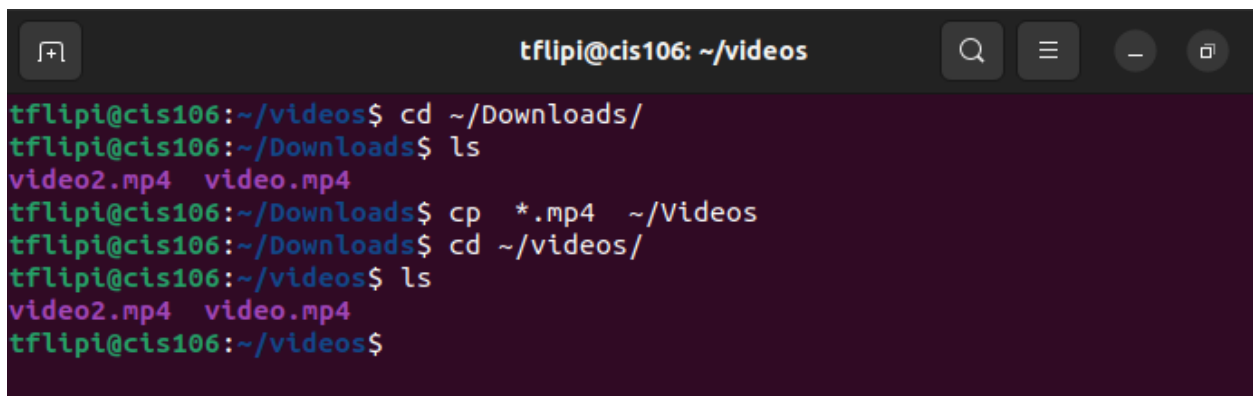


```
tflipi@cis106: ~/wildcardpractice
tflipi@cis106:~/wildcardpractice$ ls file*
file1.doc  file.txt

file.doc:
tflipi@cis106:~/wildcardpractice$
```

Copy all the mp4 files

cp Downloads/\*.mp4 ~/Videos/



```
tflipi@cis106: ~/videos
tflipi@cis106:~/videos$ cd ~/Downloads/
tflipi@cis106:~/Downloads$ ls
video2.mp4  video.mp4
tflipi@cis106:~/Downloads$ cp *.mp4 ~/Videos
tflipi@cis106:~/Downloads$ cd ~/videos/
tflipi@cis106:~/videos$ ls
video2.mp4  video.mp4
tflipi@cis106:~/videos$
```

## Practice 2:

??Wildcard

Show file with 3 characters extension

```
tflipi@cis106: ~/wildcardpractice
tflipi@cis106:~/wildcardpractice$ ls *.???
123file.txt  file1.doc  file.txt  rt.txt

file.doc:
tflipi@cis106:~/wildcardpractice$
```

## Brace Expansion Practice 3:

Create 3 folder: folder1, folder2, folder3

`mkdir {folder1, folder2, folder3}`

create 3 file: file1.txt, file2.txt, file3.txt

`touch {file1, file2, file3}.txt`

```
tflipi@cis106: ~
tflipi@cis106:~$ mkdir {folder1, folder2, folder3}
tflipi@cis106:~$ touch {file1, file2, file3}.txt
tflipi@cis106:~$ ld
Command 'ld' not found, but can be installed with:
apt install binutils
Please ask your administrator.
tflipi@cis106:~$ ls
challenge-Lab6  file1.txt  folder2  Music  Templates
Desktop         file2.txt  folder3  Pictures  videos
Documents       file3.txt  lab6     Public  Videos
Downloads       folder1   lab6-q5  snap    wildcardpractice
tflipi@cis106:~$
```

## Lab 6:

Lab 6 involves a series of tasks related to working with wildcards, brace expansion, and directory manipulation in a Unix-like environment. Here's a complete overview of Lab 6:

### **Task 1: Initial Setup**

Run the provided command to set up the lab environment:

```
curl https://cis106.com/assets/lab6.sh | bash
```

### **Task 2: Using the \* Wildcard**

#### **List Log Files:**

Navigate to the lab6 directory.

List all log files using the \*.log wildcard.

#### **Create and Move Files:**

Create a directory named log-files inside the lab6 directory.

Move all log files into the newly created log-files directory.

#### **List Configuration Files:**

List all configuration files in the /etc directory with the .conf extension.

#### **Long List Configuration Files:**

Long list all configuration files in the /etc directory that start with the letter 'h' or 'p', sorted by file size.

### **Task 3: Using the ? Wildcard**

#### **List Hidden Files:**

List only the hidden files inside the lab6 directory using the ls -a command.

#### **List Files with 2 Letter Extension:**

List all files in the lab6 directory with a two-letter file extension.

#### **List Specific Files:**

List files inside the lab6 directory that start with the letter 'l', have one character after 'l', and the letters 'st' in the filename.

#### **List Files with Underscore:**

List files inside the lab6 directory that have an underscore and two characters before the file extension.

### **Task 4: Using the [] Wildcard**

#### **List Uppercase Files:**

List all files in the lab6 directory that start with an uppercase letter.

**List Uppercase or Number Files:**

List all files in the lab6 directory that start with an uppercase letter or a number.

**List Files with Numbers:**

List all files in the lab6 directory that have a number in the file name.

**List Lowercase with Numbers:**

List all files in the lab6 directory that start with a lowercase letter and have a number before the file extension.

**Task 5: Using Brace Expansion**

**Create Directory Structure:**

Create the specified directory structure in the lab6 directory.

Display a tree of the directory structure.

**Task 6: More Brace Expansion**

**Create Another Directory Structure:**

Clear the terminal.

Create a different directory structure in the lab6 directory.

Display a tree of the new directory structure.

**Task 7: Even More Brace Expansion**

**Create PDF Files:**

Clear the terminal.

Create a directory structure with PDF files as specified.

Display a tree of the directory structure.

**Task 8: Additional Brace Expansion Examples**

**Create Files in Home Directory:**

Create a directory named lab6-q5 in the home directory.

Create three files in the lab6-q5 directory using brace expansion.

**Change Directory and Create Files:**

Change the current working directory to `/usr/share`.

Create a directory named `movies` inside the `lab6-q5` directory.

Create three files in the `movies` directory using brace expansion.

**Remove Files:**

Remove specific files: `program.py`, `people.csv`, `disney.doc`, and `marvel.txt`.

**Challenge Question:**

Run the provided `curl` command to set up the challenge directory.

Organize files in the `challenge-Lab6` directory into specific subdirectories based on file types.