

## Practice 1

The ? Wildcard | Examples

```

1. List all the hidden files in the current working directory
a. ls ./.*??*
2. List all the hidden files in the parent directory
a. ls ../.*??*
3. List all the files that have 2 characters in the file name between letters b and k
a. ls b??k*
4. List all the files that have a single character between letters f and l
a. ls f?l*
5. List all the files with a 2 letter file extension
a. ls *.???

```

```

tdw@cis106-desktop:~$ curl -s https://cis106.com/assets/scripts/wildcardpractice.sh | bash
--2025-11-17 12:50:23 -- https://cis106.com/assets/logo100x100.png
Resolving cis106.com (cis106.com)... 185.199.108.153
Connecting to cis106.com (cis106.com)|185.199.108.153|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 3520 (3.4K) [image/png]
Saving to: 'logo100x100.png'

log0100x100.png    100%[=====] 3.44K ---KB/s   in 0s
2025-11-17 12:50:28 (29.5 MB/s) - 'logo100x100.png' saved [3520/3520]

tdw@cis106-desktop:$ ls wildcardpractice/*random*
wildcardpractice/_random.csv wildcardpractice/random_text.md wildcardpractice/randomtext.txt
tdw@cis106-desktop:$ ls wildcardpractice/*.csv
ls: cannot access 'wildcardpractice/*.csv': No such file or directory
tdw@cis106-desktop:$ ls wildcardpractice/*cvs
ls: cannot access 'cvs': No such file or directory
wildcardpractice/2020-08-27-capture.raw wildcardpractice/book.xml
wildcardpractice/2021-04-10-screenshot.jpeg wildcardpractice/fail.log
wildcardpractice/2022-02-02-camera.jpg wildcardpractice/file.log
wildcardpractice/78food.txt wildcardpractice/logo100x100.png
wildcardpractice/allfiles.lst wildcardpractice/_random.csv
wildcardpractice/Allfiles.lst wildcardpractice/random_text.md
wildcardpractice/balk.exe wildcardpractice/randomtext.txt
wildcardpractice/balk.pdf wildcardpractice/Sample1234.csv
wildcardpractice/balk.xml wildcardpractice/sample123.csv
wildcardpractice/beatk.exe wildcardpractice/sample1.doc
wildcardpractice/beatk.pdf wildcardpractice/sample1.xls
wildcardpractice/beatk.xml wildcardpractice/sample99.doc
wildcardpractice/bk.exe wildcardpractice/samplejsonfile.json
wildcardpractice/bk.pdf wildcardpractice/sample.pdf
wildcardpractice/bk.xml wildcardpractice/sample.pdf
wildcardpractice/book.exe wildcardpractice/samplesite.html
wildcardpractice/book.pdf
tdw@cis106-desktop:$ ls wildcardpractice/*
ls: cannot access '.txt': No such file or directory
wildcardpractice/2020-08-27-capture.raw wildcardpractice/book.xml

```

## Practice 2

More examples with other commands

- Move all the files from one directory to another
  - mv ~/Downloads/Nature/\* ~/Pictures/wallpapers/
- Copy specific files based solely on their file extension
  - cp ~/Downloads/homework/\*.pdf ~/Documents/\*.txt ~/Projects/school/
- Remove specific files
  - rm ~/Downloads/demo\*.exe ~/Videos/\*music\*.avi
- Move specific files from one directory to another
  - mv Downloads/Movies/{\*.png,\*.gif} Downloads/Movies/MCU/

```

wildcardpractice/Allfiles.lst      wildcardpractice/random_text.md
wildcardpractice/balk.exe         wildcardpractice/randomtext.txt
wildcardpractice/balk.pdf         wildcardpractice/Sample1234.csv
wildcardpractice/balk.xml         wildcardpractice/sample123.csv
wildcardpractice/beatk.exe        wildcardpractice/sample1.doc
wildcardpractice/beatk.pdf        wildcardpractice/sample1.xls
wildcardpractice/beatk.xml        wildcardpractice/sample99.doc
wildcardpractice/bk.exe           wildcardpractice/samplejsonfile.json
wildcardpractice/bk.pdf           wildcardpractice/sample.pdf
wildcardpractice/bk.xml           wildcardpractice/sample.pdf
wildcardpractice/book.exe         wildcardpractice/samplesite.html
wildcardpractice/book.pdf         wildcardpractice/book.pdf
tdw@cis106-desktop:$ ls wildcardpractice/*
ls: cannot access '.txt': No such file or directory
wildcardpractice/2020-08-27-capture.raw wildcardpractice/book.xml
wildcardpractice/2021-04-10-screenshot.jpeg wildcardpractice/fail.log
wildcardpractice/2022-02-02-camera.jpg wildcardpractice/file.log
wildcardpractice/78food.txt wildcardpractice/logo100x100.png
wildcardpractice/allfiles.lst      wildcardpractice/_random.csv
wildcardpractice/Allfiles.lst      wildcardpractice/random_text.md
wildcardpractice/balk.exe         wildcardpractice/randomtext.txt
wildcardpractice/balk.pdf         wildcardpractice/Sample1234.csv
wildcardpractice/balk.xml         wildcardpractice/sample1.doc
wildcardpractice/beatk.exe        wildcardpractice/sample1.xls
wildcardpractice/beatk.pdf        wildcardpractice/sample99.doc
wildcardpractice/beatk.xml        wildcardpractice/samplejsonfile.json
wildcardpractice/bk.exe           wildcardpractice/sample.pdf
wildcardpractice/bk.pdf           wildcardpractice/sample.pdf
wildcardpractice/bk.xml           wildcardpractice/sample.pdf
wildcardpractice/book.exe         wildcardpractice/samplesite.html
wildcardpractice/book.pdf         wildcardpractice/book.pdf
8 tdw@cis106-desktop:$ ls wildcardpractice/random*
wildcardpractice/random_text.md wildcardpractice/randomtext.txt
tdw@cis106-desktop:$ ls wildcardpractice/random*.md
ls: cannot access '.md': No such file or directory
wildcardpractice/random_text.md wildcardpractice/randomtext.txt
tdw@cis106-desktop:$ 

```

## Practice 3

**Solution: Practice 3**

```

Nov 17 1:08 PM
Tilix:tdw@cis106-desktop:~ ~

1: ls wildcardpractice/[a-z]*.???
2: ls wildcardpractice/[A-Z]*[0-9]*
3: ls wildcardpractice/[0-9][0-9][0-9][0-9]*
4: ls wildcardpractice/[!AEIOUaeiou]*
5: ls wildcardpractice/[[:punct:]]*

```

```

tdw@cis106-desktop:~$ ls wildcardpractice/[a-z]*.??
wildcardpractice/random_text.md
tdw@cis106-desktop:~$ ls wildcardpractice/[A-Z]*[0-9]*
wildcardpractice/Sample1234.csv
tdw@cis106-desktop:~$ ls wildcardpractice/[0-9][0-9][0-9][0-9]*
wildcardpractice/2020-08-27-capture.raw wildcardpractice/2022-02-02-camera.jpg
wildcardpractice/2021-04-10-screenshot.jpeg
tdw@cis106-desktop:~$ ls wildcardpractice/[!AEIOUaeiou]*
wildcardpractice/2020-08-27-capture.raw wildcardpractice/file.log
wildcardpractice/2021-04-10-screenshot.jpeg wildcardpractice/logo100x100.png
wildcardpractice/2022-02-02-camera.jpg
wildcardpractice/_random.csv
wildcardpractice/balk.exe
wildcardpractice/balk.pdf
wildcardpractice/balk.xml
wildcardpractice/beatk.exe
wildcardpractice/beatk.pdf
wildcardpractice/beatk.xml
wildcardpractice/book.exe
wildcardpractice/book.pdf
wildcardpractice/book.xml
wildcardpractice/book99.docx
wildcardpractice/bk.exe
wildcardpractice/bk.pdf
wildcardpractice/bk.xml
wildcardpractice/book.exe
wildcardpractice/book.pdf
wildcardpractice/book.xml
wildcardpractice/_random.csv
tdw@cis106-desktop:~$ ls wildcardpractice/[[:punct:]]*

```

## Practice 4

```

Nov 18 2:48 PM
Tilix:tdw@cis106-desktop:~ ~

1: tdw@cis106-desktop:~ ~
tdw@cis106-desktop:~$ mkdir -p music/{jazz,rock}/{mp3files,videos,oggfiles}/new
tdw@cis106-desktop:~$ tree music/
music/
└── jazz
    ├── mp3files
    │   └── new
    ├── oggfiles
    │   └── new
    └── videos
        └── new
    └── rock
        ├── mp3files
        │   └── new
        ├── oggfiles
        │   └── new
        └── videos
            └── new
15 directories, 0 files
tdw@cis106-desktop:~$ 

```

## Q2

### Directory 1

```
1/1 + 🔍 Tilix: tdw@cis106-desktop:~  
1: tdw@cis106-desktop: ~ ↻  
tdw@cis106-desktop:~$ mkdir -p wallpapers/cars/{1080p,2k,4k}  
tdw@cis106-desktop:~$ tree wallpapers/  
wallpapers/  
└── cars  
    ├── 1080p  
    ├── 2k  
    └── 4k  
  
5 directories, 0 files  
tdw@cis106-desktop:~$
```

## Directory 2

```
1/1 + 🔍 Tilix: tdw@cis106-desktop:~  
1: tdw@cis106-desktop: ~ ↻  
tdw@cis106-desktop:~$ mkdir -p assets/{imgs,video}/{large,small}  
tdw@cis106-desktop:~$ tree assets/  
assets/  
└── imgs  
    ├── large  
    └── small  
└── video  
    ├── large  
    └── small  
  
7 directories, 0 files  
tdw@cis106-desktop:~$
```

## Q3 Challenge

