

Lab7

Practice 1

```
1/1 v + [ ] [ ] Tillic: map@cis106: ~  
1: map@cis106: ~  
map@cis106:~$ curl -s https://cis106.com/assets/scripts/wildcardpractice.sh | bash  
mkdir: cannot create directory '/home/map/wildcardpractice/': File exists  
--2025-11-17 23:26:45-- 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.1'  
  
logo100x100.png.1 100%[=====] 3.44K --.-KB/s in 0s  
2025-11-17 23:26:45 (29.9 MB/s) - 'logo100x100.png.1' saved [3520/3520]  
  
map@cis106:~$ ls wildcardpractice/*random*  
wildcardpractice/_random.csv wildcardpractice/randomtext.txt  
wildcardpractice/random_text.md  
map@cis106:~$ ls wildcardpractice/_random.csv  
ls: cannot access 'wildcardpractice/_random.csv': No such file or directory  
map@cis106:~$ ls wildcardpractice/*.csv  
wildcardpractice/_random.csv wildcardpractice/sample123.csv  
wildcardpractice/sample1234.csv  
map@cis106:~$ ls wildcardpractice/*.csv wildcardpractice/*.txt  
wildcardpractice/78food.txt wildcardpractice/sample1234.csv  
wildcardpractice/_random.csv wildcardpractice/sample123.csv  
wildcardpractice/randomtext.txt  
map@cis106:~$ ls wildcardpractice/random*  
wildcardpractice/random_text.md wildcardpractice/randomtext.txt  
map@cis106:~$ ls wildcardpractice/random*.md  
wildcardpractice/random_text.md  
map@cis106:~$ _
```

Practice 2

```
1/1 v + [ ] [ ] Tillic: map@cis106: ~  
1: map@cis106: ~  
map@cis106:~$ ls wildcardpractice/*.*?  
wildcardpractice/2020-08-27-capture.raw wildcardpractice/book.exe  
wildcardpractice/2022-02-02-camera.jpg wildcardpractice/book.pdf  
wildcardpractice/78food.txt wildcardpractice/book.xml  
wildcardpractice/allfiles.lst wildcardpractice/fail.log  
wildcardpractice/allfiles.lst wildcardpractice/file.log  
wildcardpractice/baik.exe wildcardpractice/logo100x100.png  
wildcardpractice/baik.pdf wildcardpractice/_random.csv  
wildcardpractice/baik.xml wildcardpractice/randomtext.txt  
wildcardpractice/beatk.exe wildcardpractice/sample123.csv  
wildcardpractice/beatk.pdf wildcardpractice/sample123.csv  
wildcardpractice/beatk.xml wildcardpractice/sample1.doc  
wildcardpractice/bk.exe wildcardpractice/sample1.xls  
wildcardpractice/bk.pdf wildcardpractice/sample.pdf  
wildcardpractice/bk.xml wildcardpractice/sample.pdf  
map@cis106:~$ ls wildcardpractice/*.*?  
ls: cannot access 'wildcardpractice/*.*?': No such file or directory  
map@cis106:~$ ls wildcardpractice/*.*?  
wildcardpractice/.bash_history wildcardpractice/.hidden2.doc  
wildcardpractice/.hidden1.doc wildcardpractice/.hidden2.py  
wildcardpractice/.hidden1.py wildcardpractice/.hiddenFile.txt  
map@cis106:~$ ls wildcardpractice/b?.*?  
wildcardpractice/baik.exe wildcardpractice/beatk.xml  
wildcardpractice/baik.pdf wildcardpractice/book.exe  
wildcardpractice/baik.xml wildcardpractice/book.pdf  
wildcardpractice/beatk.exe wildcardpractice/book.xml  
wildcardpractice/beatk.pdf  
map@cis106:~$ ls wildcardpractice/sample?.*  
wildcardpractice/sample1.doc wildcardpractice/sample1.xls  
wildcardpractice/sample1.doc.1 wildcardpractice/sample1.xls.1  
map@cis106:~$ ls wildcardpractice/*.*?  
wildcardpractice/.hidden1.py wildcardpractice/.hidden2.py  
map@cis106:~$ _
```

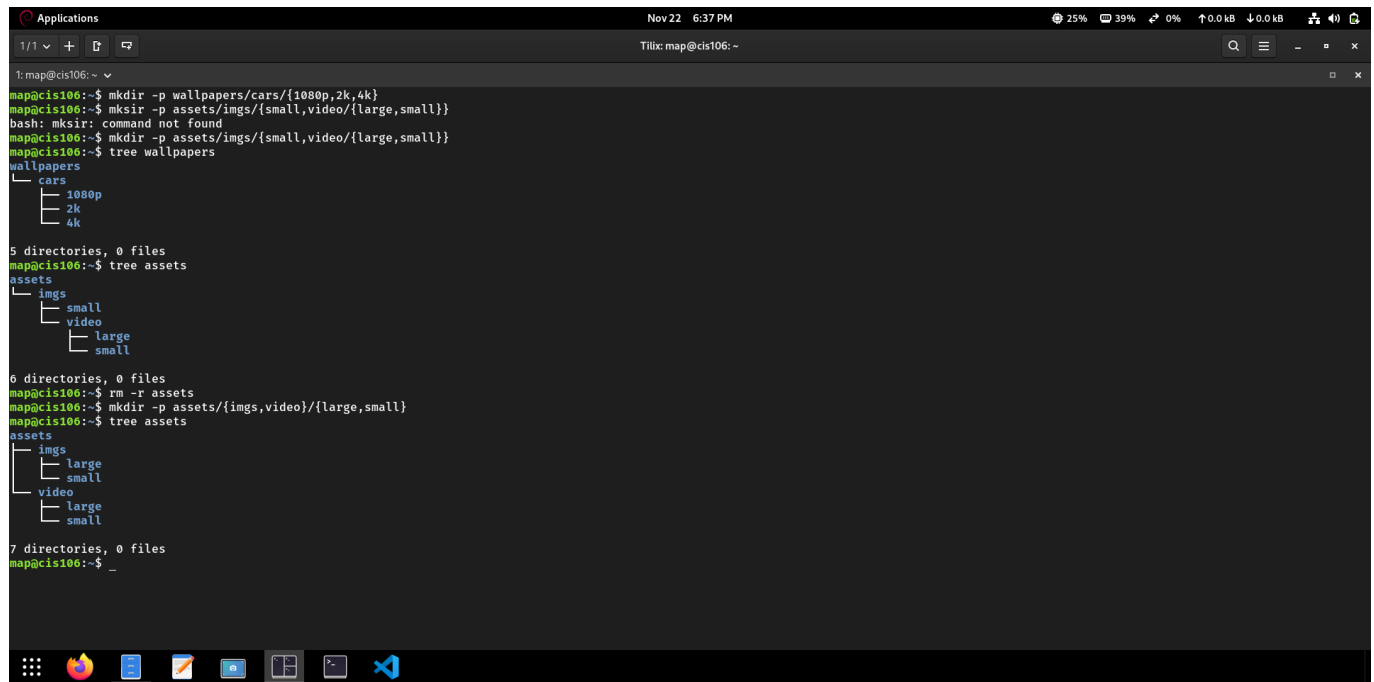
Practice 3

```
Tilix: map@cis106: ~/wildcardpractice
1: map@cis106: ~/wildcardpractice
map@cis106:~/wildcardpractice$ ls [a-z]*.*
allfiles.lst  beatk.exe  bk.pdf  book.xml  randomtext.txt  sample.pdf
baik.exe     beatk.pdf  bk.xml  fail.log  sample123.csv
baik.pdf     beatk.xml  book.exe  file.log  sample1.doc
baik.xml     bk.exe    book.pdf  logo100x100.png  sample1.xls
map@cis106:~/wildcardpractice$ ls [A-Z]*[0-9]*
Sample1234.csv
map@cis106:~/wildcardpractice$ ls [0-9][0-9][0-9][0-9]*
bash: 2020-08-27-capture.raw: command not found
map@cis106:~/wildcardpractice$ ls [0-9][0-9][0-9][0-9]*
2020-08-27-capture.raw  2021-04-10-screenshot.jpeg  2022-02-02-camera.jpg
map@cis106:~/wildcardpractice$ ls [IAEIOUaeiou]*
2020-08-27-capture.raw  beatk.xml  logo100x100.png  sample1.xls
2021-04-10-screenshot.jpeg  bk.exe    logo100x100.png.1  sample1.xls.1
2022-02-02-camera.jpg     bk.pdf    _random.csv        sample99.docx
78food.txt               bk.xml    random_text.md     samplejsonfile.json
baik.exe                 book.exe  randomtext.txt     sample.pdf
baik.pdf                 book.pdf  Sample1234.csv     Sample.pdf
baik.xml                 book.xml  sample123.csv      sample.pdf.1
beatk.exe                fail.log  sample1.doc         samplesite.html
beatk.pdf                file.log  sample1.doc.1
map@cis106:~/wildcardpractice$ ls [[:punct:]]*
ls: cannot access '[[[:punct:]]*': No such file or directory
bash: ]]*: command not found
map@cis106:~/wildcardpractice$ ls [[:punct:]]*
_random.csv
map@cis106:~/wildcardpractice$ _
```

Practice 4

```
Tilix: map@cis106: ~
1: map@cis106: ~
map@cis106:~$ mkdir -pv example/{code/app/main,config/{data/deployment,src/app,test/{ui,db}},assets/{css,js,imgs,vid/{old,new}}
mkdir: created directory 'example'
mkdir: created directory 'example/code'
mkdir: created directory 'example/code/app'
mkdir: created directory 'example/code/app/main'
mkdir: created directory 'example/config'
mkdir: created directory 'example/config/data'
mkdir: created directory 'example/config/data/deployment'
mkdir: created directory 'example/config/src'
mkdir: created directory 'example/config/src/app'
mkdir: created directory 'example/config/test'
mkdir: created directory 'example/config/test/ui'
mkdir: created directory 'example/config/test/db'
mkdir: created directory 'example/assets'
mkdir: created directory 'example/assets/css'
mkdir: created directory 'example/assets/js'
mkdir: created directory 'example/assets/imgs'
mkdir: created directory 'example/assets/vid'
mkdir: created directory 'example/assets/vid/old'
mkdir: created directory 'example/assets/vid/new'
map@cis106:~$ _
2: map@cis106: ~
19 directories, 0 files
map@cis106:~/example$ cd
map@cis106:~$ tree example/
example/
├── assets
│   ├── css
│   ├── imgs
│   ├── js
│   ├── vid
│   │   ├── new
│   │   └── old
│   └── _
├── code
│   └── app
│       └── main
└── config
    ├── data
    │   └── deployment
    ├── src
    │   └── app
    └── test
        ├── db
        └── ui
19 directories, 0 files
map@cis106:~$ _
```

Challenge Question 1



A terminal window titled 'Applications' with a subtitle 'Tilix: map@cis106: ~'. The terminal shows a series of commands and their outputs. The user creates a directory structure for wallpapers and assets. The 'tree' command is used to visualize the directory structure at different stages. The final state shows a directory structure with 7 directories and 0 files.

```
map@cis106:~$ mkdir -p wallpapers/cars/{1080p,2k,4k}
map@cis106:~$ mkdir -p assets/imgs/{small,video/{large,small}}
bash: mkdir: command not found
map@cis106:~$ mkdir -p assets/imgs/{small,video/{large,small}}
map@cis106:~$ tree wallpapers
wallpapers
├── cars
│   ├── 1080p
│   ├── 2k
│   └── 4k
└── 5 directories, 0 files
map@cis106:~$ tree assets
assets
├── imgs
│   ├── small
│   └── video
│       ├── large
│       └── small
└── 6 directories, 0 files
map@cis106:~$ rm -r assets
map@cis106:~$ mkdir -p assets/{imgs,video}/{large,small}
map@cis106:~$ tree assets
assets
├── imgs
│   ├── large
│   └── small
├── video
│   ├── large
│   └── small
└── 7 directories, 0 files
map@cis106:~$
```

Challenge Question 2

