

Lab7

Practice 1

```
1/1 + F T Tiliix 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'  
  
logo100x100.png: 100%[=====] 3.44K --.-KB/s in 0s  
2025-11-17 23:26:45 (29.9 MB/s) - 'logo100x100.png' saved [3520/3520]  
  
map@cis106:~$ ls wildcardpractice/*random*  
wildcardpractice/_random.csv wildcardpractice/randomtext.txt  
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/Sample123.csv  
map@cis106:~$ ls 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 + F T Tiliix 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/Sample1234.csv  
wildcardpractice/beatk.pdf wildcardpractice/sample123.csv  
wildcardpractice/beatk.xml wildcardpractice/sample1.doc  
wildcardpractice/bk.exe wildcardpractice/sample1.xls  
wildcardpractice/bk.pdf wildcardpractice/sample1.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.dot.1 wildcardpractice/sample1.xls.1  
map@cis106:~$ ls wildcardpractice/.??*.  
wildcardpractice/.hidden1.py wildcardpractice/.hidden2.py  
map@cis106:~$ _
```

Practice 3

```
Tilix: map@cis106: ~/wildcardpractice
1/1 ▾ + ⌂ ↻
1.map@cis106: ~/wildcardpractice$ ls [a-z]*.??
allfiles.xls 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$ [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 [!AEIOUaeiou]*
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
75food.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$ _
```

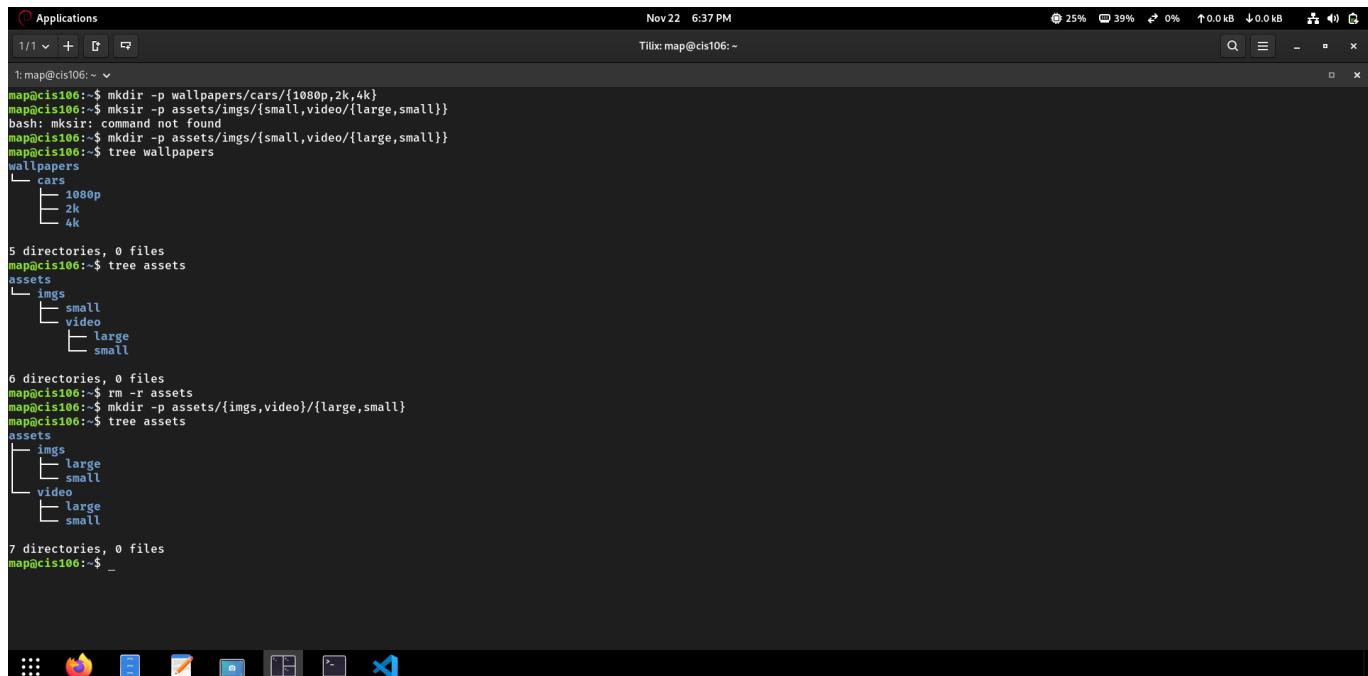
Practice 4

```
Tilix: map@cis106: ~
1.map@cis106: ~
2.map@cis106: ~
map@cis106: $ mkdir -pv example/{code/app/main,config/{data/deployment,src/app,test/{ui,db}},as
sets/{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: $ _
```

```
19 directories, 0 files
map@cis106:~/example$ cd
map@cis106:~/example$ 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



The screenshot shows a terminal window titled 'Applications' with the status bar indicating 'Nov 22 6:37 PM' and battery level at 25%. The terminal session is running on a Tilix window. The user is navigating through directory structures:

```
mapcisis106:~ $ mkdir -p wallpapers/cars/{1080p,2k,4k}
mapcisis106:~ $ mksir -p assets/imgs/{small,video}/{large,small}
bash: mksir: command not found
mapcisis106:~ $ mkdir -p assets/imgs/{small,video}/{large,small}
mapcisis106:~ $ tree wallpapers
wallpapers
└── cars
    ├── 1080p
    ├── 2k
    └── 4k
5 directories, 0 files
mapcisis106:~ $ tree assets
assets
└── imgs
    ├── video
    └── large
        └── small
6 directories, 0 files
mapcisis106:~ $ rm -r assets
mapcisis106:~ $ mkdir -p assets/{imgs,video}/{large,small}
mapcisis106:~ $ tree assets
assets
└── imgs
    ├── large
    └── small
        ├── video
        └── large
            └── small
7 directories, 0 files
mapcisis106:~ $ _
```

Challenge Question 2

Nov 22 7:12 PM

```
map@cis106:~/website_ch1_lab7$ tree
.
├── 404.html
├── api.js
├── APP.conf
├── APP.conf.bk
├── app.js
├── backup.sh
├── build.sh
├── cart.svg
├── DB1.conf.old
├── deploy.sh
├── footer.html
├── footer.jpg
├── header.html
├── hero.png
├── index.html
├── item1.raw
├── item2.jpg
├── navbar.html
├── post1.html
├── post2.html
├── post3.html
├── posts.json
└── _Products.Json
    └── _reset.css
    └── Robots.txt
    └── sidebar.html
    └── _style.css
    └── _theme.css
    └── Users.JSON

1 directory, 29 files
map@cis106:~/website_ch1_lab7$
```

Tilix: map@cis106: ~/website_ch1_lab7

```
map@cis106:~$ cd ~/website_ch1_lab7/
map@cis106:~/website_ch1_lab7$ mkdir -p app/assets/{css,image}
map@cis106:~/website_ch1_lab7$ mv a?.js app/
map@cis106:~/website_ch1_lab7$ mv *.json* header.html*
map@cis106:~/website_ch1_lab7$ mv *.* conf* config/
map@cis106:~/website_ch1_lab7$ mv *.sh deploy/
map@cis106:~/website_ch1_lab7$ mv *.json* data/
map@cis106:~/website_ch1_lab7$ mv *JSON* data/
map@cis106:~/website_ch1_lab7$ mv post*html pages/
map@cis106:~/website_ch1_lab7$ mv robots.txt pages/
mv: cannot stat 'robots.txt': No such file or directory
map@cis106:~/website_ch1_lab7$ mv *.jpg *.png *.raw assets/images/
map@cis106:~/website_ch1_lab7$ mv pages/*products* data/
mv: cannot stat 'pages/*products*': No such file or directory
map@cis106:~/website_ch1_lab7$ mv pages/*Json* data/
mv: cannot stat 'pages/*Json*': No such file or directory
map@cis106:~/website_ch1_lab7$ mv pages/*_Json* data/
mv: cannot stat 'pages/*_Json*': No such file or directory
map@cis106:~/website_ch1_lab7$ mv pages/*_Products.Json* data/
mv: cannot stat 'pages/*_Products.Json*': No such file or directory
map@cis106:~/website_ch1_lab7$ mv pages/*_reset.css* data/
mv: cannot stat 'pages/*_reset.css*': command not found
map@cis106:~/website_ch1_lab7$ mv pages/*_Products.Json* data/
map@cis106:~/website_ch1_lab7$ mv pages/*_reset.css* data/
mv: cannot stat 'pages/*_reset.css*': No such file or directory
map@cis106:~/website_ch1_lab7$ mv *.svg assets/images/
map@cis106:~/website_ch1_lab7$
```

map@cis106:~/website_ch1_lab7\$ tree

```
.
├── 404.html
├── app
│   ├── api.js
│   ├── app.js
├── assets
│   ├── css
│   │   ├── _reset.css
│   │   ├── _style.css
│   │   └── _theme.css
│   └── images
│       ├── cart.svg
│       ├── footer.jpg
│       ├── hero.png
│       ├── item1.raw
│       └── item2.jpg
└── components
    ├── footer.html
    ├── header.html
    ├── navbar.html
    └── sidebar.html
└── config
    ├── APP.conf
    ├── APP.conf.bk
    └── DB1.conf.old
└── data
    ├── posts.json
    └── _Products.Json
        └── Users.JSON
└── deploy
    ├── backup.sh
    ├── build.sh
    └── deploy.sh
└── index.html
└── pages
    ├── post1.html
    ├── post2.html
    └── post3.html
└── Robots.txt
```

Nov 22 7:13 PM

```
map@cis106:~/website_ch1_lab7$ tree
.
├── 404.html
├── api.js
├── APP.conf
├── APP.conf.bk
├── app.js
├── backup.sh
├── build.sh
├── cart.svg
├── DB1.conf.old
├── deploy.sh
├── footer.html
├── footer.jpg
├── header.html
├── hero.png
├── index.html
├── item1.raw
├── item2.jpg
├── navbar.html
├── post1.html
├── post2.html
├── post3.html
├── posts.json
└── _Products.Json
    └── _reset.css
    └── Robots.txt
    └── sidebar.html
    └── _style.css
    └── _theme.css
    └── Users.JSON

1 directory, 29 files
map@cis106:~/website_ch1_lab7$
```

Tilix: map@cis106: ~/website_ch1_lab7

```
map@cis106:~$ cd ~/website_ch1_lab7/
map@cis106:~/website_ch1_lab7$ mv *JSON* data/
map@cis106:~/website_ch1_lab7$ mv post*html pages/
map@cis106:~/website_ch1_lab7$ mv robots.txt pages/
mv: cannot stat 'robots.txt': No such file or directory
map@cis106:~/website_ch1_lab7$ mv *.jpg *.png *.raw assets/images/
map@cis106:~/website_ch1_lab7$ mv pages/*products* data/
mv: cannot stat 'pages/*products*': No such file or directory
map@cis106:~/website_ch1_lab7$ mv pages/*Json* data/
mv: cannot stat 'pages/*Json*': No such file or directory
map@cis106:~/website_ch1_lab7$ mv pages/*_Json* data/
mv: cannot stat 'pages/*_Json*': No such file or directory
map@cis106:~/website_ch1_lab7$ mv pages/*_Products.Json* data/
mv: cannot stat 'pages/*_Products.Json*': No such file or directory
map@cis106:~/website_ch1_lab7$ mv pages/*_reset.css* data/
mv: cannot stat 'pages/*_reset.css*': command not found
map@cis106:~/website_ch1_lab7$ mv pages/*_Products.Json* data/
map@cis106:~/website_ch1_lab7$ mv pages/*_reset.css* data/
mv: cannot stat 'pages/*_reset.css*': No such file or directory
map@cis106:~/website_ch1_lab7$ mv *.svg assets/images/
map@cis106:~/website_ch1_lab7$
```

map@cis106:~/website_ch1_lab7\$ tree

```
.
├── api.js
├── app.js
├── assets
│   ├── css
│   │   ├── _reset.css
│   │   ├── _style.css
│   │   └── _theme.css
│   └── images
│       ├── cart.svg
│       ├── footer.jpg
│       ├── hero.png
│       ├── item1.raw
│       └── item2.jpg
└── components
    ├── footer.html
    ├── header.html
    ├── navbar.html
    └── sidebar.html
└── config
    ├── APP.conf
    ├── APP.conf.bk
    └── DB1.conf.old
└── data
    ├── posts.json
    └── _Products.Json
        └── Users.JSON
└── deploy
    ├── backup.sh
    ├── build.sh
    └── deploy.sh
└── index.html
└── pages
    ├── post1.html
    ├── post2.html
    └── post3.html
└── Robots.txt
```

10 directories, 29 files
map@cis106:~/website_ch1_lab7\$