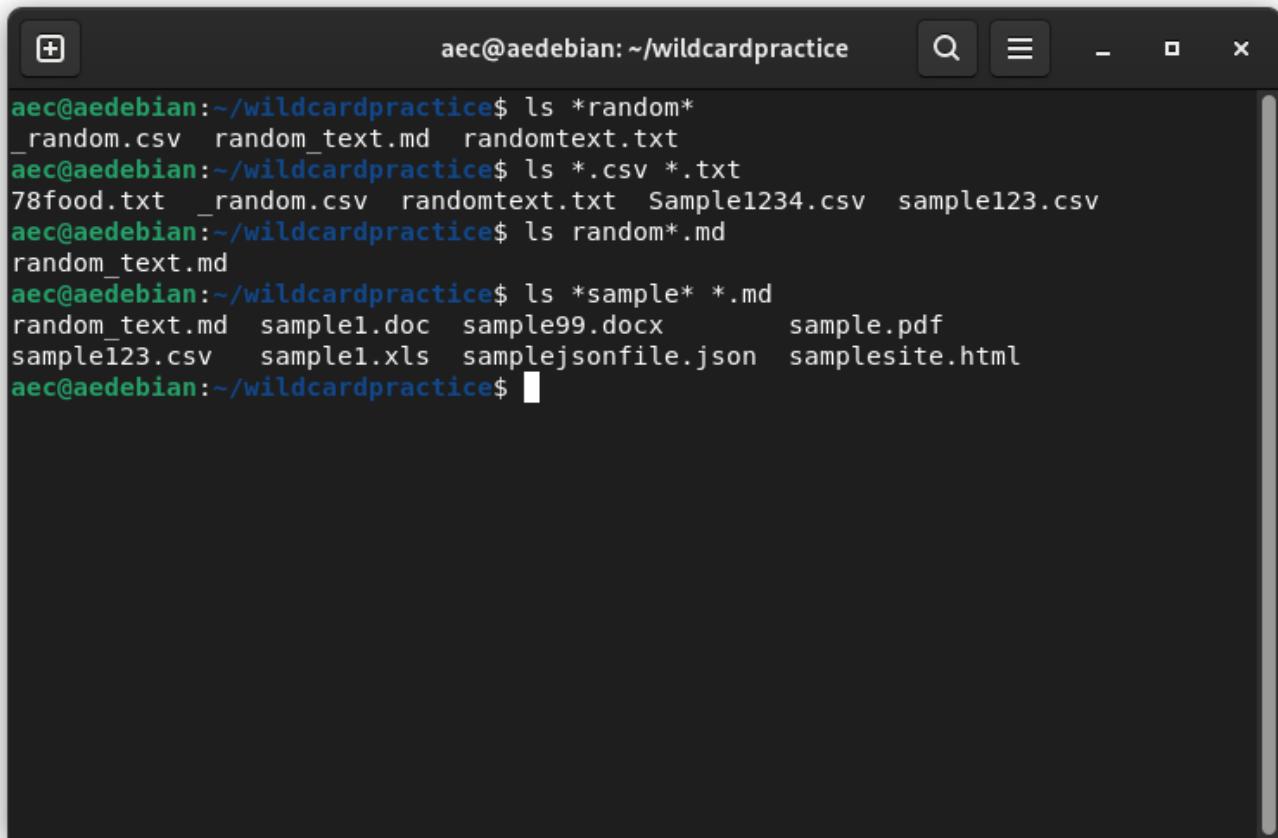


# Lab 7

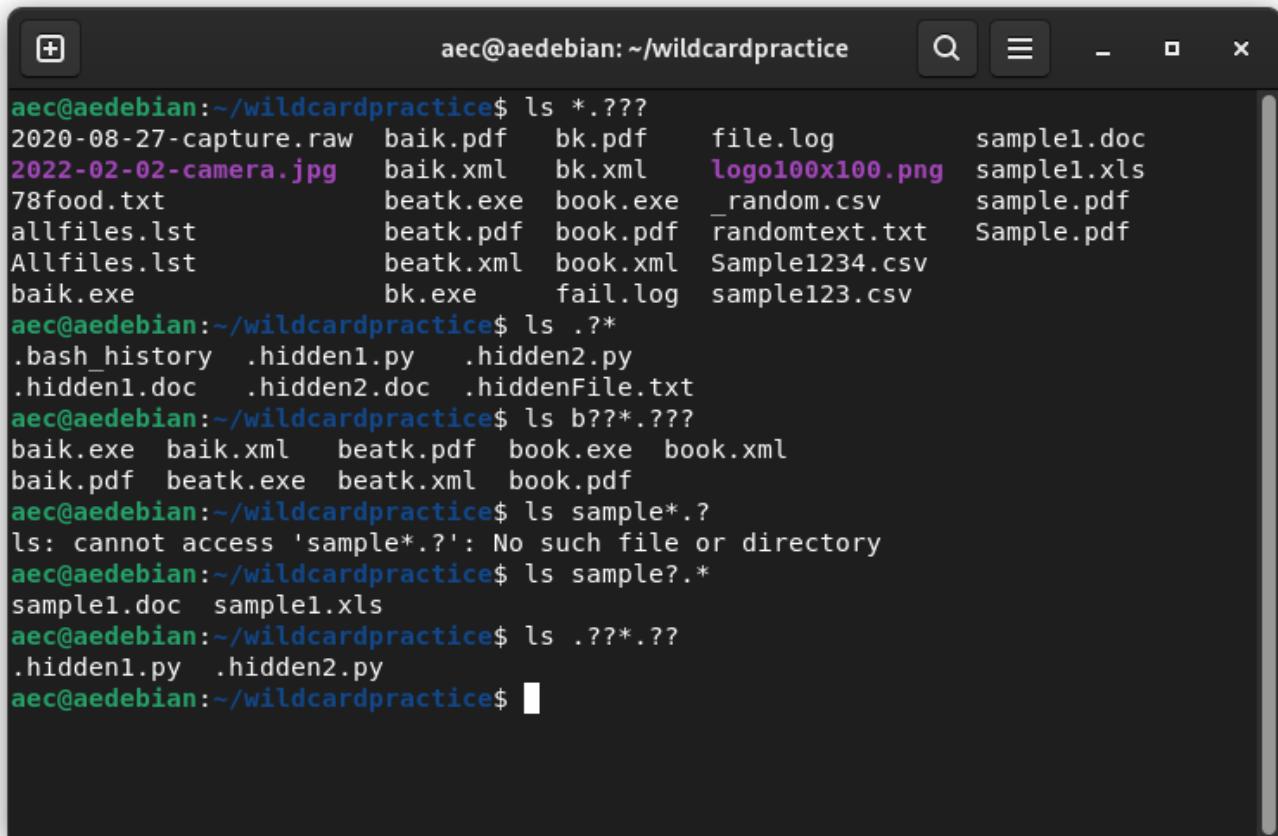
## Practice 1



The screenshot shows a terminal window with a dark background and light-colored text. The title bar reads "aec@aedebian: ~/wildcardpractice". The terminal displays several commands and their outputs related to wildcard usage:

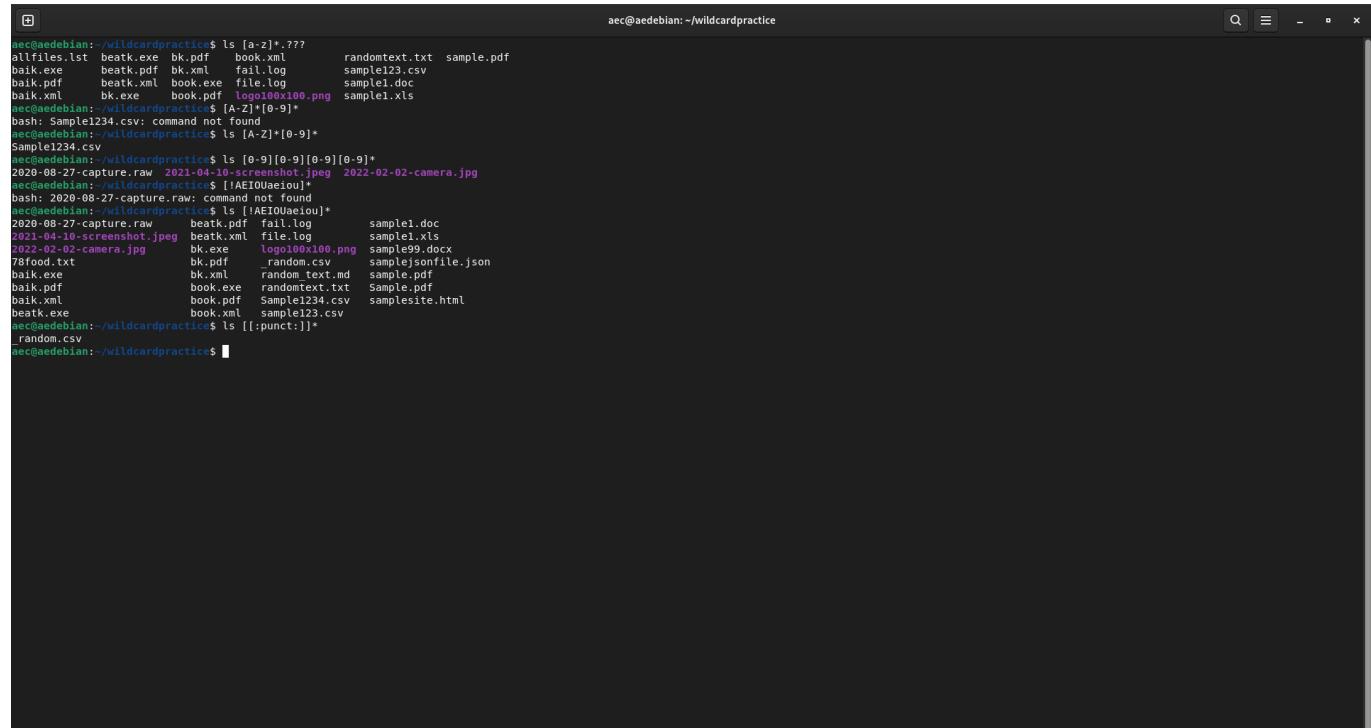
```
aec@aedebian:~/wildcardpractice$ ls *random*
_random.csv  random_text.md  randomtext.txt
aec@aedebian:~/wildcardpractice$ ls *.csv *.txt
78food.txt  _random.csv  randomtext.txt  Sample1234.csv  sample123.csv
aec@aedebian:~/wildcardpractice$ ls random*.md
random_text.md
aec@aedebian:~/wildcardpractice$ ls *sample* *.md
random_text.md  sample1.doc  sample99.docx  sample.pdf
sample123.csv  sample1.xls  samplejsonfile.json  samplesite.html
aec@aedebian:~/wildcardpractice$
```

## Practice 2



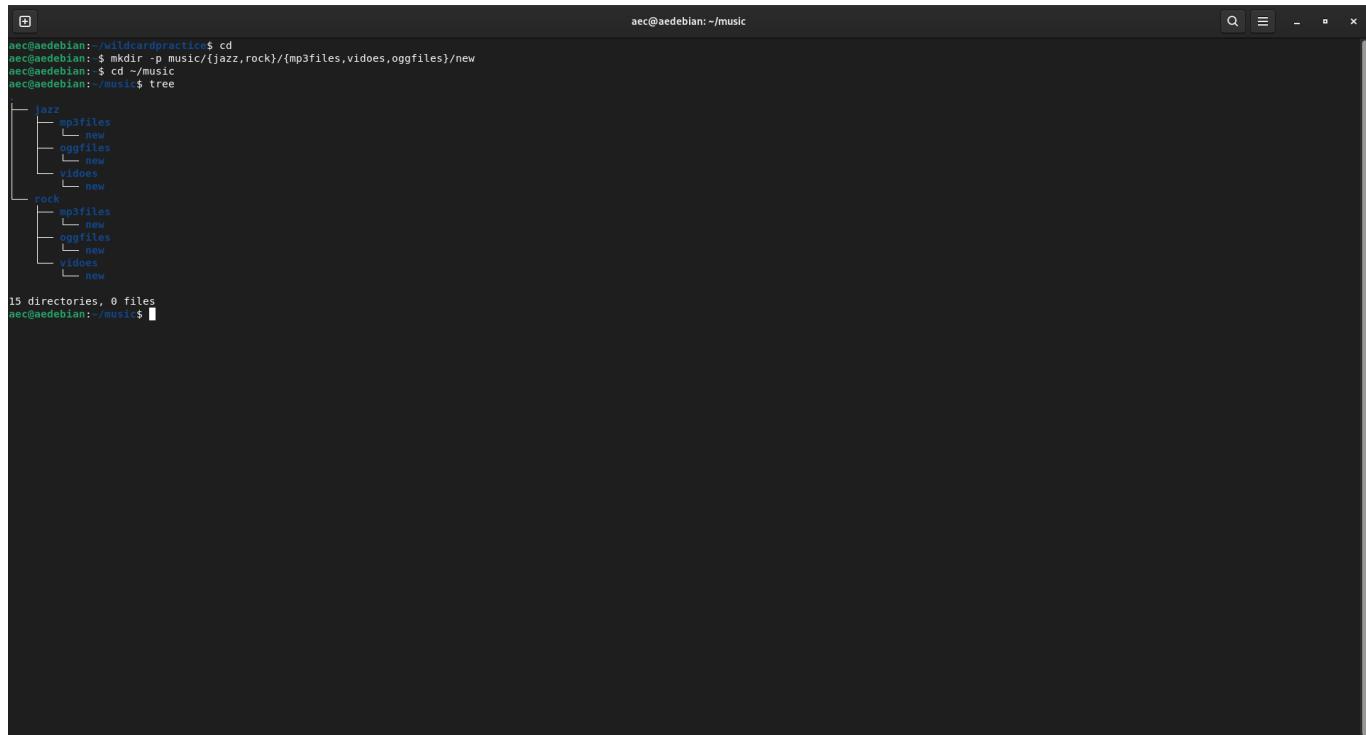
```
aec@aedebian:~/wildcardpractice$ ls *.??
2020-08-27-capture.raw baik.pdf bk.pdf file.log sample1.doc
2022-02-02-camera.jpg baik.xml bk.xml logo100x100.png sample1.xls
78food.txt beatk.exe book.exe _random.csv sample.pdf
allfiles.lst beatk.pdf book.pdf randomtext.txt Sample.pdf
Allfiles.lst beatk.xml book.xml Sample1234.csv
baik.exe bk.exe fail.log sample123.csv
aec@aedebian:~/wildcardpractice$ ls .?*
.bash_history .hidden1.py .hidden2.py
.hidden1.doc .hidden2.doc .hiddenFile.txt
aec@aedebian:~/wildcardpractice$ ls b??*.??
baik.exe baik.xml beatk.pdf book.exe book.xml
baik.pdf beatk.exe beatk.xml book.pdf
aec@aedebian:~/wildcardpractice$ ls sample*.?
ls: cannot access 'sample*.?': No such file or directory
aec@aedebian:~/wildcardpractice$ ls sample?.*
sample1.doc sample1.xls
aec@aedebian:~/wildcardpractice$ ls .??*.??
.hidden1.py .hidden2.py
aec@aedebian:~/wildcardpractice$ 
```

### Practice 3



```
aec@aedebian:~/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
aec@aedebian:~/wildcardpractice$ [A-Z]*[0-9]*
bash: Sample1234.csv: command not found
aec@aedebian:~/wildcardpractice$ ls [A-Z]*[0-9]*
Sample1234.csv
aec@aedebian:~/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
aec@aedebian:~/wildcardpractice$ [AEIOUaeiou]*
bash: 2020-08-27-capture.raw: command not found
aec@aedebian:~/wildcardpractice$ ls [!AEIOUaeiou]*
2020-08-27-capture.raw beatk.pdf fail.log sample1.doc
2021-04-10-screenshot.jpeg beatk.xml file.log sample1.xls
2022-02-02-camera.jpg bk.exe logo100x100.png sample99.docx
78food.txt bkr.pdf random.csv samplefile.json
baik.exe bk.xml random_text.md sample.pdf
baik.pdf book.exe randomtext.txt Sample.pdf
baik.xml book.pdf Sample1234.csv samplesite.html
beatk.exe book.xml sample123.csv
aec@aedebian:~/wildcardpractice$ ls [:punct:]*
random.csv
aec@aedebian:~/wildcardpractice$ 
```

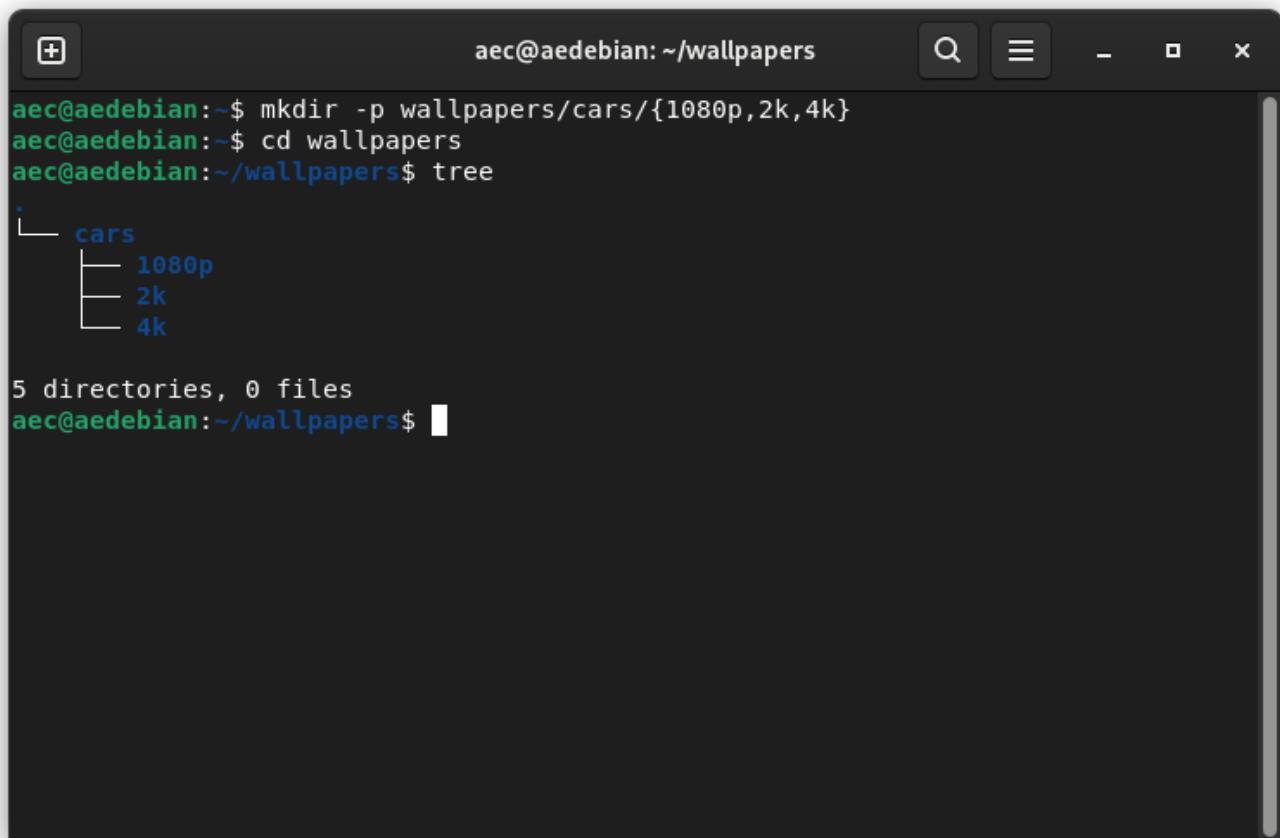
### Practice 4



```
aec@aedebian:~/wildcardpractice$ cd
aec@aedebian: $ mkdir -p music/{jazz,rock}/{mp3files,oggfiles}/new
aec@aedebian: $ cd ~/music
aec@aedebian:~/music$ tree
.
+-- jazz
    |-- mp3files
    |   `-- new
    |-- oggfiles
    |   `-- new
    `-- videos
        `-- new
+
`-- rock
    |-- mp3files
    |   `-- new
    |-- oggfiles
    |   `-- new
    `-- videos
        `-- new

15 directories, 0 files
aec@aedebian:~/music$
```

## Challenge 1



```
aec@aedebian:~/wallpapers$ 
aec@aedebian:~$ mkdir -p wallpapers/cars/{1080p,2k,4k}
aec@aedebian:~$ cd wallpapers
aec@aedebian:~/wallpapers$ tree
.
└── cars
    ├── 1080p
    ├── 2k
    └── 4k

5 directories, 0 files
aec@aedebian:~/wallpapers$
```

```
aec@aedebian:~$ mkdir -p assets/{imgs,video}/{large/small}
aec@aedebian:~$ cd assets
aec@aedebian:~/assets$ tree
.
└── imgs
    ├── large
    └── small
└── video
    ├── large
    └── small

7 directories, 0 files
aec@aedebian:~/assets$
```

## Challenge 2

```
aec@aedebian:~/website_ch1_lab7$ tree
.
├── pages
│   ├── post1.html
│   ├── post2.html
│   └── post3.html
├── Products.Json
└── Robots.txt
Users.JSONN

10 directories, 29 files
aec@aedebian:~/website_ch1_lab7$ tree
.
├── 404.html
├── app
│   └── 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
├── conf
│   ├── APP.conf
│   ├── APP.conf.bk
│   └── DBL.conf.old
└── deploy
    ├── backup.sh
    └── build.sh
    └── deploy.sh
├── data
│   ├── posts.json
│   └── Products.Json
└── index.html
pages
├── post1.html
└── post2.html
    └── post3.html
Robots.txt

10 directories, 29 files
aec@aedebian:~/website_ch1_lab7$
```

The screenshot shows three terminal windows side-by-side. The leftmost window has a title bar 'aec@aedebian: ~/website\_ch1\_lab7'. It contains a series of shell commands and their outputs. The user is navigating to the directory, creating a 'config' directory, and then attempting to move files from 'app' to 'config'. They receive errors for invalid options and missing files. The user then moves files from 'assets/css' to 'components/css', 'assets/images' to 'components/images', and finally moves all remaining files from 'app' to 'config'. The middle window has a title bar 'aec@aedebian: ~/website\_ch1\_lab7' and shows the completion of the file move. The rightmost window has a title bar 'aec@aedebian: ~' and shows the user's prompt.

```
aec@aedebian: $ cd website_ch1_lab7
aec@aedebian:~/website_ch1_lab7$ mkdir -p {app,assets,components,config,data,pages}
aec@aedebian:~/website_ch1_lab7$ mkdir -p assets/css/images
aec@aedebian:~/website_ch1_lab7$ mkdir -p config/deploy
aec@aedebian:~/website_ch1_lab7$ mv -p {api,*.app.*} /app
mv: invalid option -- 'p'
Try `mv --help` for more information.
aec@aedebian:~/website_ch1_lab7$ mv {api,*.app.*} /app
mv: target '/app': No such file or directory
aec@aedebian:~/website_ch1_lab7$ mv {*,.css} assets/css/
aec@aedebian:~/website_ch1_lab7$ mv {*,.css} assets/css/
mv: cannot stat '{*,.css}': No such file or directory
aec@aedebian:~/website_ch1_lab7$ mv {f*,.css} assets/css/
mv: cannot stat '{*,.css}': No such file or directory
aec@aedebian:~/website_ch1_lab7$ mv {r*,.css,s*.css,t*.css} assets/css/
aec@aedebian:~/website_ch1_lab7$ mv {*,.svg,*,.jpg,*,.png,*,.raw} assets/images/
aec@aedebian:~/website_ch1_lab7$ mv {f*,.html,h*,.http,n*,.html,s*,.html} components/
mv: cannot stat 'h*.http': No such file or directory
aec@aedebian:~/website_ch1_lab7$ mv {f*,.html,h*,.html,n*,.html,s*,.html} components/
mv: cannot stat 'f*.html': No such file or directory
mv: cannot stat 'n*.html': No such file or directory
mv: cannot stat 's*.html': No such file or directory
aec@aedebian:~/website_ch1_lab7$ mv {APP.conf,APP.conf.bk,DB1.conf.old} config/
aec@aedebian:~/website_ch1_lab7$ mv *.sh config/deploy
aec@aedebian:~/website_ch1_lab7$ mv *.json data/
aec@aedebian:~/website_ch1_lab7$ mv p*.html pages/
aec@aedebian:~/website_ch1_lab7$ mv {*.Json,*_.JSON} data/
aec@aedebian:~/website_ch1_lab7$
```