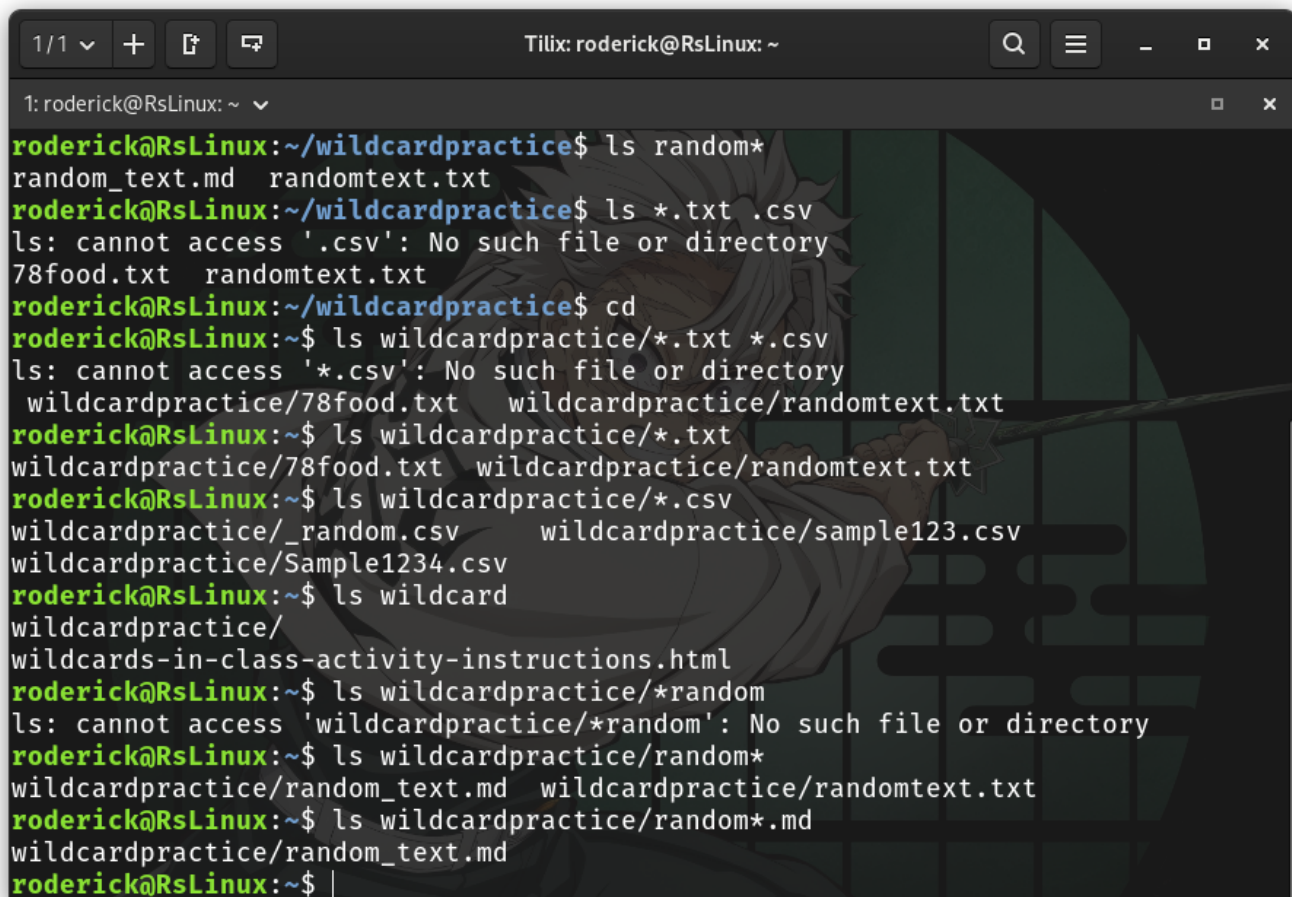


Lab 7

Question 1

Practice 1

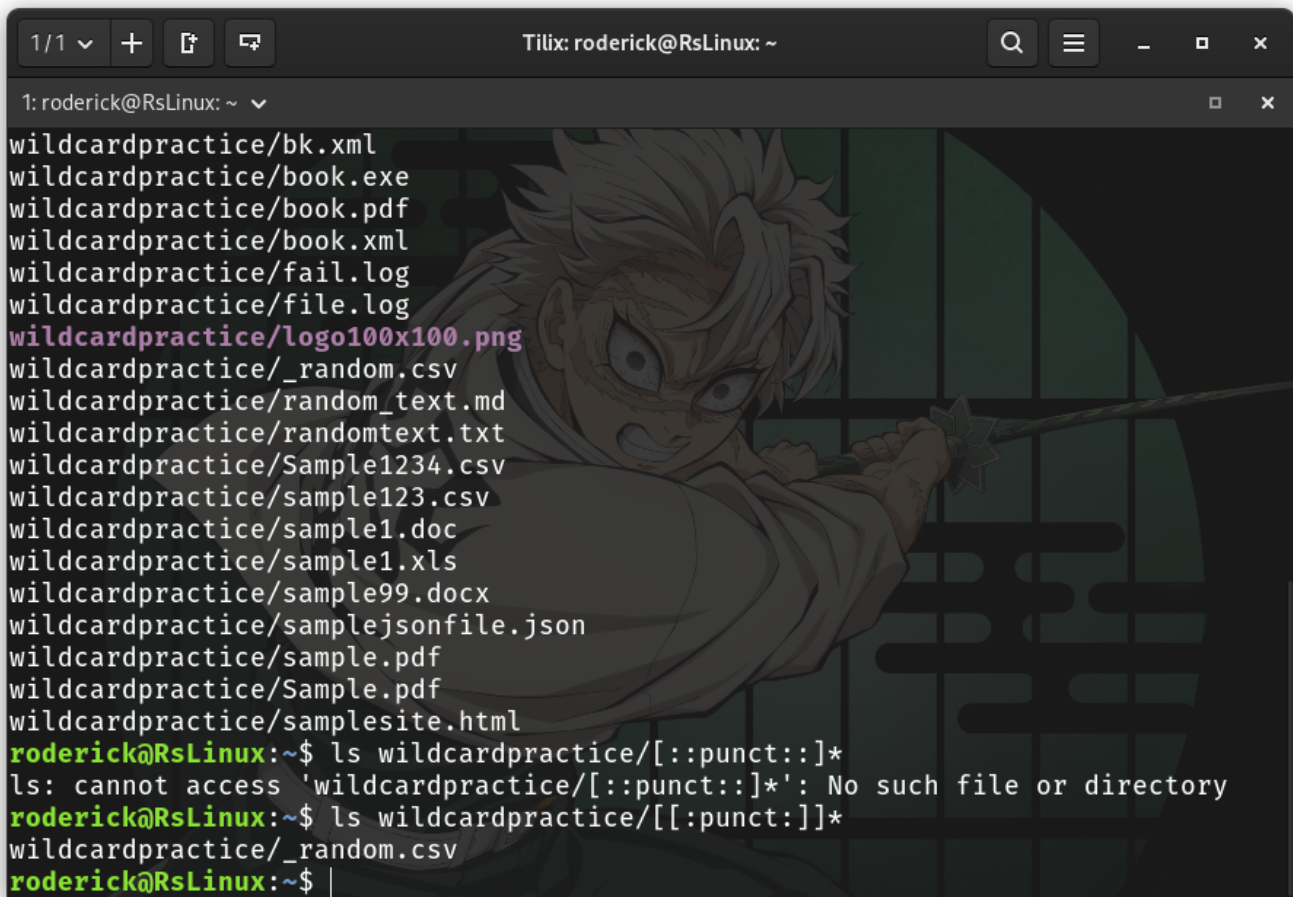
A screenshot of a Linux terminal window titled 'Tilix: roderick@RsLinux: ~'. The terminal shows a series of commands and their outputs. The user is in the directory ~/wildcardpractice. The commands and outputs are as follows:

```
roderick@RsLinux:~/wildcardpractice$ ls random*
random_text.md  randomtext.txt
roderick@RsLinux:~/wildcardpractice$ ls *.txt *.csv
ls: cannot access '*.csv': No such file or directory
78food.txt  randomtext.txt
roderick@RsLinux:~/wildcardpractice$ cd
roderick@RsLinux:~$ ls wildcardpractice/*.txt *.csv
ls: cannot access '*.csv': No such file or directory
wildcardpractice/78food.txt  wildcardpractice/randomtext.txt
roderick@RsLinux:~$ ls wildcardpractice/*.txt
wildcardpractice/78food.txt  wildcardpractice/randomtext.txt
roderick@RsLinux:~$ ls wildcardpractice/*.csv
wildcardpractice/_random.csv  wildcardpractice/sample123.csv
wildcardpractice/Sample1234.csv
roderick@RsLinux:~$ ls wildcard
wildcardpractice/
wildcards-in-class-activity-instructions.html
roderick@RsLinux:~$ ls wildcardpractice/*random
ls: cannot access 'wildcardpractice/*random': No such file or directory
roderick@RsLinux:~$ ls wildcardpractice/random*
wildcardpractice/random_text.md  wildcardpractice/randomtext.txt
roderick@RsLinux:~$ ls wildcardpractice/random*.md
wildcardpractice/random_text.md
roderick@RsLinux:~$ |
```

Practice 2

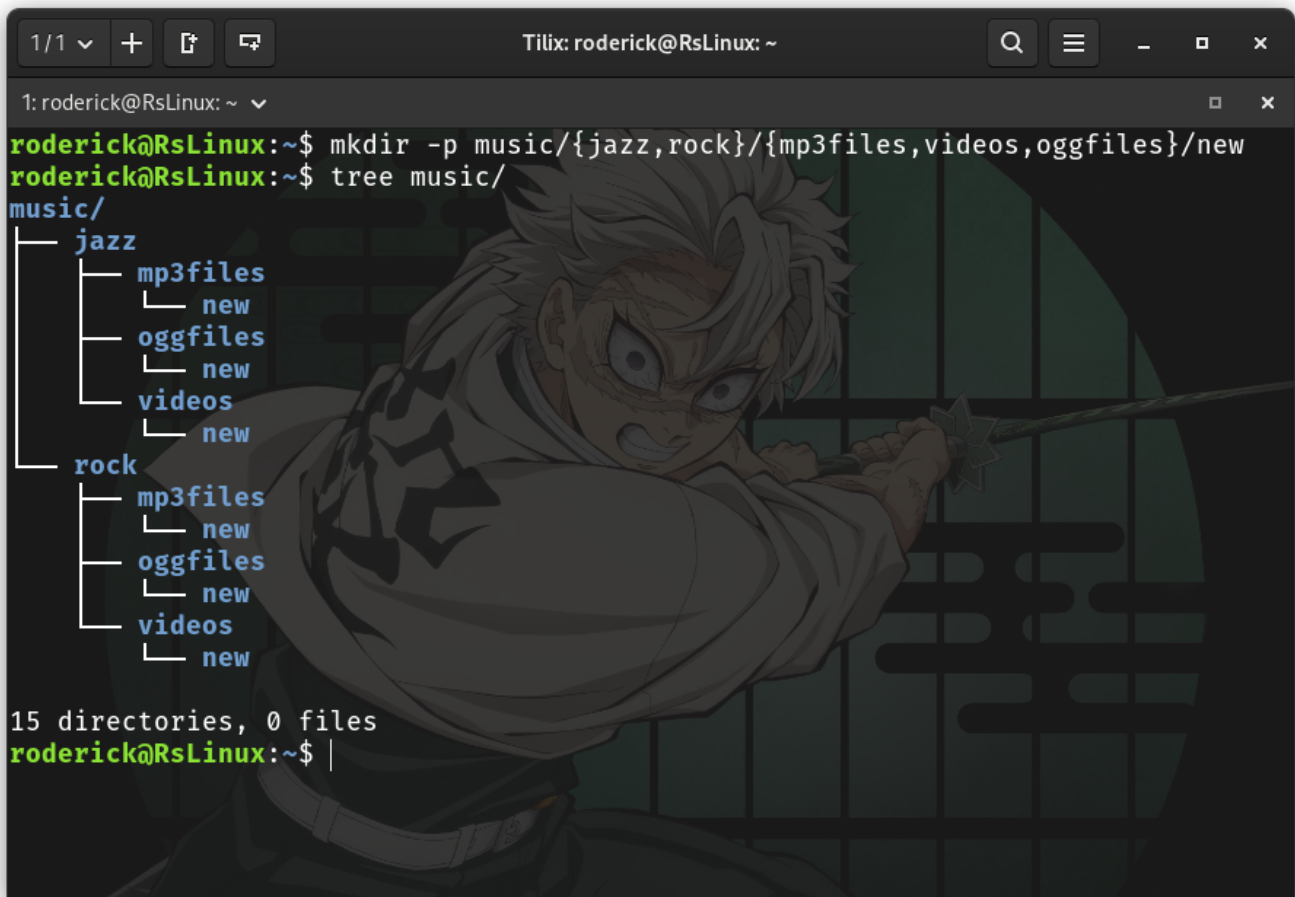
```
1/1 + [ ] [ ] Tilix: roderick@RsLinux: ~
1: roderick@RsLinux: ~
wildcardpractice/sample1.doc
wildcardpractice/sample1.xls
wildcardpractice/sample99.docx
wildcardpractice/samplejsonfile.json
wildcardpractice/sample.pdf
wildcardpractice/Sample.pdf
wildcardpractice/samplesite.html
roderick@RsLinux:~$ ls wildcardpractice/b???.???
ls: cannot access 'wildcardpractice/b???.???': No such file or directory
roderick@RsLinux:~$ 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
roderick@RsLinux:~$ ls wildcardpractice/sample?.*
wildcardpractice/sample1.doc  wildcardpractice/sample1.xls
roderick@RsLinux:~$ ls wildcardpractice/.??*
wildcardpractice/.bash_history  wildcardpractice/.hidden2.doc
wildcardpractice/.hidden1.doc   wildcardpractice/.hidden2.py
wildcardpractice/.hidden1.py    wildcardpractice/.hiddenFile.txt
roderick@RsLinux:~$ ls wildcardpractice/.??*.??
wildcardpractice/.hidden1.py    wildcardpractice/.hidden2.py
roderick@RsLinux:~$ |
```

Practice 3

A terminal window titled 'Tilix: roderick@RsLinux: ~' showing a list of files in the 'wildcardpractice' directory. The files listed are: bk.xml, book.exe, book.pdf, book.xml, fail.log, file.log, logo100x100.png (highlighted in pink), _random.csv, random_text.md, randomtext.txt, Sample1234.csv, sample123.csv, sample1.doc, sample1.xls, sample99.docx, samplejsonfile.json, sample.pdf, Sample.pdf, and samplesite.html. Below the list, two 'ls' commands are executed. The first command, 'ls wildcardpractice/[::punct::]*', results in an error: 'ls: cannot access 'wildcardpractice/[::punct::]*': No such file or directory'. The second command, 'ls wildcardpractice/[[:punct:]]*', successfully lists the file 'wildcardpractice/_random.csv'.

```
1/1 v + [ ] [ ]
Tilix: roderick@RsLinux: ~
1: roderick@RsLinux: ~ v
wildcardpractice/bk.xml
wildcardpractice/book.exe
wildcardpractice/book.pdf
wildcardpractice/book.xml
wildcardpractice/fail.log
wildcardpractice/file.log
wildcardpractice/logo100x100.png
wildcardpractice/_random.csv
wildcardpractice/random_text.md
wildcardpractice/randomtext.txt
wildcardpractice/Sample1234.csv
wildcardpractice/sample123.csv
wildcardpractice/sample1.doc
wildcardpractice/sample1.xls
wildcardpractice/sample99.docx
wildcardpractice/samplejsonfile.json
wildcardpractice/sample.pdf
wildcardpractice/Sample.pdf
wildcardpractice/samplesite.html
roderick@RsLinux:~$ ls wildcardpractice/[::punct::]*
ls: cannot access 'wildcardpractice/[::punct::]*': No such file or directory
roderick@RsLinux:~$ ls wildcardpractice/[[:punct:]]*
wildcardpractice/_random.csv
roderick@RsLinux:~$ |
```

Practice 4

A terminal window titled 'Tilix: roderick@RsLinux: ~' with standard window controls. The terminal shows two commands: 'mkdir -p music/{jazz,rock}/{mp3files,videos,oggfiles}/new' and 'tree music/'. The output of the tree command shows a directory structure for 'music/' with subdirectories 'jazz' and 'rock'. Each of these contains 'mp3files', 'oggfiles', and 'videos', each of which has a 'new' subdirectory. The terminal also shows the summary '15 directories, 0 files' and the prompt 'roderick@RsLinux:~\$ |'. The background of the terminal has a faint anime-style illustration of a character with spiky hair and a sword.

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

Question 2

```
Tilix: roderick@RsLinux: ~  
1: roderick@RsLinux: ~  
roderick@RsLinux:~$ ls/wallpapers*  
bash: ls/wallpapers*: No such file or directory  
roderick@RsLinux:~$ ls/*wallpapers  
bash: ls/*wallpapers: No such file or directory  
roderick@RsLinux:~$ mkdir -p wallpapers/{cars}/{1080p,2k,4k}  
roderick@RsLinux:~$ tree wallpapers/  
wallpapers/  
├── {cars}  
│   ├── 1080p  
│   ├── 2k  
│   └── 4k  
5 directories, 0 files  
roderick@RsLinux:~$ mv wallpapers/{cars} wallpapers/cars  
roderick@RsLinux:~$ tree wallpapers/  
wallpapers/  
├── cars  
│   ├── 1080p  
│   ├── 2k  
│   └── 4k  
5 directories, 0 files  
roderick@RsLinux:~$ |
```

```
Tilix: roderick@RsLinux: ~  
1: roderick@RsLinux: ~  
roderick@RsLinux:~$ mkdir -p assets/{imgs,video}/{large,small}  
roderick@RsLinux:~$ tree assets/  
assets/  
├── imgs  
│   ├── large  
│   └── small  
└── video  
    ├── large  
    └── small  
7 directories, 0 files  
roderick@RsLinux:~$ |
```

Question 3


```

1/1  +  -  x
Tilix: roderick@RsLinux: ~

1: roderick@RsLinux: ~/website_ch1_lab7
├─ 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
roderick@RsLinux:~/website_ch1_lab7$ mkdir -pmkdir -p app
assets/{css,images} components config deploy data pages
mkdir: invalid mode 'kdir'
roderick@RsLinux:~/website_ch1_lab7$ mkdir -p app assets/{
css,images} components config deploy data pages
roderick@RsLinux:~/website_ch1_lab7$ |

2: roderick@RsLinux: ~
roderick@RsLinux:~$ tree website_ch1_lab7/
website_ch1_lab7/
├─ 404.html
├─ api.js
├─ app
├─ APP.conf
├─ APP.conf.bk
├─ app.js
├─ assets
├─ └─ css
├─ └─ images
├─ backup.sh
├─ build.sh
├─ cart.svg
├─ components
├─ config
├─ data
├─ DB1.conf.old
├─ deploy
├─ deploy.sh
├─ footer.html
├─ footer.jpg
├─ header.html
├─ hero.png
├─ index.html
├─ item1.raw
├─ item2.jpg
├─ navbar.html
└─ pages

1: roderick@RsLinux: ~/website_ch1_lab7
├─ _theme.css
└─ Users.JSON

1 directory, 29 files
roderick@RsLinux:~/website_ch1_lab7$ mkdir -pmkdir -p app
assets/{css,images} components config deploy data pages
mkdir: invalid mode 'kdir'
roderick@RsLinux:~/website_ch1_lab7$ mkdir -p app assets/{
css,images} components config deploy data pages
roderick@RsLinux:~/website_ch1_lab7$ ls app*.js app/api.js
app/
ls: cannot access 'app/api.js': No such file or directory
app.js

app/:
roderick@RsLinux:~/website_ch1_lab7$ ls/app*.js app/api.js
app/
bash: ls/app*.js: No such file or directory
roderick@RsLinux:~/website_ch1_lab7$ mv app*.js app/api.js
app/
mv: cannot stat 'app/api.js': No such file or directory
roderick@RsLinux:~/website_ch1_lab7$ mv app/*.js
mv: missing destination file operand after 'app/app.js'
Try 'mv --help' for more information.
roderick@RsLinux:~/website_ch1_lab7$ mv/*.js app/
bash: mv/*.js: No such file or directory
roderick@RsLinux:~/website_ch1_lab7$ mv *.js app/
roderick@RsLinux:~/website_ch1_lab7$ |

2: roderick@RsLinux: ~
roderick@RsLinux:~$ tree website_ch1_lab7/
website_ch1_lab7/
├─ 404.html
├─ app
├─ └─ api.js
├─ └─ app.js
├─ APP.conf
├─ APP.conf.bk
├─ assets
├─ └─ css
├─ └─ images
├─ backup.sh
├─ build.sh
├─ cart.svg
├─ components
├─ config
├─ data
├─ DB1.conf.old
├─ deploy
├─ deploy.sh
├─ footer.html
├─ footer.jpg
├─ header.html
├─ hero.png
├─ index.html
├─ item1.raw
├─ item2.jpg
├─ navbar.html
└─ pages

```

```
Tilix: roderick@RsLinux: ~/website_ch1_lab7

1: roderick@RsLinux: ~/website_ch1_lab7
2: roderick@RsLinux: ~

app/:
roderick@RsLinux:~/website_ch1_lab7$ ls/app*.js app/api.js
app/
bash: ls/app*.js: No such file or directory
roderick@RsLinux:~/website_ch1_lab7$ mv app*.js app/api.js
app/
mv: cannot stat 'app/api.js': No such file or directory
roderick@RsLinux:~/website_ch1_lab7$ mv app/*.js
mv: missing destination file operand after 'app/app.js'
Try 'mv --help' for more information.
roderick@RsLinux:~/website_ch1_lab7$ mv/*.js app/
bash: mv/*.js: No such file or directory
roderick@RsLinux:~/website_ch1_lab7$ mv *.js app/
roderick@RsLinux:~/website_ch1_lab7$ mv *.css assets/css/
roderick@RsLinux:~/website_ch1_lab7$ mv *.svg *.jpg *.png
*.raw assets/images/
roderick@RsLinux:~/website_ch1_lab7$ mv *.html components/
roderick@RsLinux:~/website_ch1_lab7$ mv APP.conf* DB1.conf
.old config/
roderick@RsLinux:~/website_ch1_lab7$ mv backup.sh build.sh
deploy.sh deploy/
roderick@RsLinux:~/website_ch1_lab7$ mv *.json data/
roderick@RsLinux:~/website_ch1_lab7$ mv post*.html Robots.
txt pages/
mv: cannot stat 'post*.html': No such file or directory
roderick@RsLinux:~/website_ch1_lab7$ mv *[:punct:] data/
mv: cannot stat '*[:punct:]': No such file or directory
roderick@RsLinux:~/website_ch1_lab7$ |

├── item2.jpg
├── components
│   ├── 404.html
│   ├── footer.html
│   ├── header.html
│   ├── index.html
│   ├── navbar.html
│   ├── post1.html
│   ├── post2.html
│   ├── post3.html
│   └── sidebar.html
├── config
│   ├── APP.conf
│   ├── APP.conf.bk
│   └── DB1.conf.old
├── data
│   └── posts.json
├── deploy
│   ├── backup.sh
│   ├── build.sh
│   └── deploy.sh
├── pages
│   ├── Robots.txt
│   ├── _Products.Json
│   └── Users.JSON
└── 10 directories, 29 files
roderick@RsLinux:~$ |
```

```
Tilix: roderick@RsLinux: ~

1: roderick@RsLinux: ~

roderick@RsLinux:~$ tree website_ch1_lab7/
website_ch1_lab7/
├── 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
│   ├── 404.html
│   ├── footer.html
│   ├── header.html
│   ├── index.html
│   ├── navbar.html
│   ├── post1.html
│   ├── post2.html
│   ├── post3.html
│   └── sidebar.html
├── config
│   ├── APP.conf
│   └── APP.conf.bk
```

```
Tilix: roderick@RsLinux: ~  
1: roderick@RsLinux: ~  
├── item2.jpg  
├── components  
│   ├── 404.html  
│   ├── footer.html  
│   ├── header.html  
│   ├── index.html  
│   ├── navbar.html  
│   ├── post1.html  
│   ├── post2.html  
│   ├── post3.html  
│   └── sidebar.html  
├── config  
│   ├── APP.conf  
│   ├── APP.conf.bk  
│   └── DB1.conf.old  
├── data  
│   └── posts.json  
├── deploy  
│   ├── backup.sh  
│   ├── build.sh  
│   └── deploy.sh  
├── pages  
│   └── Robots.txt  
├── _Products.Json  
└── Users.JSON  
10 directories, 29 files  
roderick@RsLinux:~$ |
```

