Lab6: File Globing/wildcards

Question 1

Question 2

Question 3

Question 4

Problem 1

```
menna@cis106:~$ cd lab6/
menna@cis106:~/lab6$ mkdir -p wallpapers/cars/{1080p,2k,4k}
menna@cis106:~/lab6$ tree wallpapers/
wallpapers/
└── cars
    ├── 1080p
    ├── 2k
    └── 4k

4 directories, 0 files
menna@cis106:~/lab6$
```

Problem 2

```
menna@cis106:~/lab6$ mkdir -p assets/{imgs,video}/{large,small}
menna@cis106:~/lab6$ tree assets/
assets/
├── imgs
│   ├── large
│   └── small
└── video
    ├── large
    └── small

6 directories, 0 files
menna@cis106:~/lab6$
```

Problem 3

```
                menna@cis106: ~/lab6                    ⊗

menna@cis106:~/lab6$ mkdir -p docs/books/{history,math}/{fall,spring}
menna@cis106:~/lab6$ touch docs/books/{history,math}/{fall,spring}/book.pdf
menna@cis106:~/lab6$ tree docs/
docs/
└── books
    ├── history
    │   ├── fall
    │   │   └── book.pdf
    │   └── spring
    │       └── book.pdf
    └── math
        ├── fall
        │   └── book.pdf
        └── spring
            └── book.pdf

7 directories, 4 files
menna@cis106:~/lab6$ █
```

Problem 4

```
                menna@cis106: ~/lab6                    ⊗
menna@cis106:~/lab6$ mkdir -p Research/{books/{math,science}/{epub,pdf},magazines/{computers,running,videogames}/{fanmade,official}}/
menna@cis106:~/lab6$ tree Research/
Research/
├── books
│   ├── math
│   │   ├── epub
│   │   └── pdf
│   └── science
│       ├── epub
│       └── pdf
└── magazines
    ├── computers
    │   ├── fanmade
    │   └── official
    ├── running
    │   ├── fanmade
    │   └── official
    └── videogames
        ├── fanmade
        └── official

17 directories, 0 files
menna@cis106:~/lab6$ █
```

Problem 5

```
File   Actions   Edit   View   Help
                menna@cis106: /usr/share                    ⊗
menna@cis106:~$ mkdir lab6-q5
menna@cis106:~$ cd /
menna@cis106:/$ touch ~/lab6-q5/{program.py,people.csv,data.xls}
menna@cis106:/$ cd usr/share/
menna@cis106:/usr/share$ mkdir ~/lab6-q5/movies
menna@cis106:/usr/share$ touch ~/lab6-q5/movies/{movies.lst,marvel.txt,disney.doc}
menna@cis106:/usr/share$ rm ~/lab6-q5/{program.py,people.csv} ~/lab6-q5/movies/{disney.doc,marvel.txt}
menna@cis106:/usr/share$ █
```

Challenge Question

```
menna@cis106:~$ curl https://cis106.com/assets/lab6cq.sh | bash
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left  Speed
100   170  100   170    0     0    825      0 --:--:-- --:--:-- --:--:--   825
menna@cis106:~$ cd challenge-Lab6/
menna@cis106:~/challenge-Lab6$ mkdir -p audio/{aac,mp3}
menna@cis106:~/challenge-Lab6$ mkdir -p docs/{docx,pdf,xls}
menna@cis106:~/challenge-Lab6$ mkdir -p images/{jpeg,png}
menna@cis106:~/challenge-Lab6$ ls
audio  docs1.doc   docs2.docx  docs3.doc   docs3.pdf   image1.jpg  image2.gif  image2.png  image3.jpg  images      programs.py  programs.sh  song1.mp3  song2.mp3  song3.mp3
docs   docs1.docx  docs2.doc   docs2.pdf   docs3.docx  image1.gif  image1.png  image2.jpg  image3.gif  image3.png  programs.go  programs.rb   song1.aac  song2.aac  song3.aac
menna@cis106:~/challenge-Lab6$ mv song1.aac song2.aac song3.aac audio/aac
menna@cis106:~/challenge-Lab6$ mv song1.mp3 song2.mp3 song3.mp3 audio/mp3
menna@cis106:~/challenge-Lab6$ mv docs1.doc docs2.doc docs3.doc docs1.docx docs2.docx docs3.docx docs/docx/
menna@cis106:~/challenge-Lab6$ mv image1.jpg image2.jpg image3.jpg images/jpeg
menna@cis106:~/challenge-Lab6$ mv image1.png image2.png image3.png images/png
menna@cis106:~/challenge-Lab6$ mv docs1.pdf docs2.pdf docs3.pdf docs/pdf
menna@cis106:~/challenge-Lab6$ ls
audio  docs  image1.gif  image2.gif  image3.gif  images  programs.go  programs.py  programs.rb  programs.sh
menna@cis106:~/challenge-Lab6$ mkdir -p programs
menna@cis106:~/challenge-Lab6$ mkdir -p images/{gif}
menna@cis106:~/challenge-Lab6$ mv programs.go programs.py programs.rb programs.sh programs
menna@cis106:~/challenge-Lab6$ mv image1.gif image2.gif image3.gif images/g
mv: target 'images/g' is not a directory
menna@cis106:~/challenge-Lab6$ mv image1.gif image2.gif image3.gif images/gif
mv: target 'images/gif' is not a directory
menna@cis106:~/challenge-Lab6$ tree
.
├── audio
│   ├── aac
│   │   ├── song1.aac
│   │   ├── song2.aac
│   │   └── song3.aac
│   └── mp3
│       ├── song1.mp3
│       ├── song2.mp3
│       └── song3.mp3
├── docs
│   ├── docx
│   │   ├── docs1.doc
│   │   ├── docs1.docx
│   │   ├── docs2.doc
│   │   ├── docs2.docx
│   │   ├── docs3.doc
│   │   └── docs3.docx
│   ├── pdf
│   │   ├── docs1.pdf
│   │   ├── docs2.pdf
│   │   └── docs3.pdf
│   └── xls
├── image1.gif
├── image2.gif
├── image3.gif
```

```
menna@cis106:~/challenge-Lab6$ mkdir -p images/{gif}
menna@cis106:~/challenge-Lab6$ mv programs.go programs.py programs.rb programs.sh programs
menna@cis106:~/challenge-Lab6$ mv image1.gif image2.gif image3.gif images/g
mv: target 'images/g' is not a directory
menna@cis106:~/challenge-Lab6$ mv image1.gif image2.gif image3.gif images/gif
mv: target 'images/gif' is not a directory
menna@cis106:~/challenge-Lab6$ tree
.
├── audio
│   ├── aac
│   │   ├── song1.aac
│   │   ├── song2.aac
│   │   └── song3.aac
│   └── mp3
│       ├── song1.mp3
│       ├── song2.mp3
│       └── song3.mp3
├── docs
│   ├── docx
│   │   ├── docs1.doc
│   │   ├── docs1.docx
│   │   ├── docs2.doc
│   │   ├── docs2.docx
│   │   ├── docs3.doc
│   │   └── docs3.docx
│   ├── pdf
│   │   ├── docs1.pdf
│   │   ├── docs2.pdf
│   │   └── docs3.pdf
│   └── xls
├── image1.gif
├── image2.gif
├── image3.gif
├── images
│   ├── {gif}
│   ├── jpeg
│   │   ├── image1.jpg
│   │   ├── image2.jpg
│   │   └── image3.jpg
│   └── png
│       ├── image1.png
│       ├── image2.png
│       └── image3.png
└── programs
    ├── programs.go
    ├── programs.py
    ├── programs.rb
    └── programs.sh

12 directories, 28 files
```