Week Report 6

Wildcards.

* Wildcard

The * wildcard from 0 to any number of characters. *Example: *List all the text file in a directory. *`ls *.txt`

*List all the file that start with the word file. *`ls file` *Copy all the .mov files *`cp Downloads/ *.mov ~Video/films/`

? Wildcard

The ? wildcard matches a single character.

- Example: *List all files that have 4 characters and are followed by the word file in the name.

*List all files that have 3 characters and are followed by the word file in the name.

*List all files that have 5 characters and are followed by the word file in the name.

[] Wildcard

The [] wildcard matches a single character. *Example: *List all files that have a vowel after f.

*List all files that have range of letters after s.

*List all files whose name has at least one number:

Brace Expansion

*Example: *Create a whole directory structure in a single command.

```
anmelgar@cis106:~/Downloads$ mkdir -p games/{action,adventure}/{consolefiles,pcfiles,portablefiles}/new{1..3}
anmelgar@cis106:~/Downloads$ tree games/
games/
├── action
│   ├── consolefiles
│   │   ├── new1
│   │   ├── new2
│   │   └── new3
│   ├── pcfiles
│   │   ├── new1
│   │   ├── new2
│   │   └── new3
│   └── portablefiles
│       ├── new1
│       ├── new2
│       └── new3
└── adventure
    ├── consolefiles
    │   ├── new1
    │   ├── new2
    │   └── new3
    ├── pcfiles
    │   ├── new1
    │   ├── new2
    │   └── new3
    └── portablefiles
        ├── new1
        ├── new2
        └── new3
```

```
anmelgar@cis106:~/Downloads$ mkdir -p video/{movies,shows}/movfiles,films}/new{1..2}
anmelgar@cis106:~/Downloads$ tree video
video
├── movies
│   └── movfiles,films}
│       ├── new1
│       └── new2
└── shows
    └── movfiles,films}
        ├── new1
        └── new2
```

```
anmelgar@cis106:~/Downloads$ mkdir -p art/{pictures,paints}/color,noncolor}/new{1..4}
anmelgar@cis106:~/Downloads$ tree art
art
├── paints
│   └── color,noncolor}
│       ├── new1
│       ├── new2
│       ├── new3
│       └── new4
└── pictures
    └── color,noncolor}
        ├── new1
        ├── new2
        ├── new3
        └── new4
```

Practice 5

```
anmelgar@cis106:~$ curl -s https://cis106.com/assets/wildcardpractice.sh | bash
--2023-11-06 20:22:02--  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

2023-11-06 20:22:02 (22.7 MB/s) - 'logo100x100.png' saved [3520/3520]

anmelgar@cis106:~$ ls wildcardpractice/*random*
wildcardpractice/_random.csv  wildcardpractice/random_text.md  wildcardpractice/randomtext.txt
anmelgar@cis106:~$ ls wildcardpratice/*.txt wildcardpractice/*.csv
ls: cannot access 'wildcardpratice/*.txt': No such file or directory
 wildcardpractice/_random.csv   wildcardpractice/Sample1234.csv   wildcardpractice/sample123.csv
anmelgar@cis106:~$ ls wildcardpractice/*.txt wildcardpractice/*.csv
wildcardpractice/78food.txt  wildcardpractice/_random.csv  wildcardpractice/randomtext.txt  wildcardpractice/Sample1234.csv  wildcardpractice/sample123.csv
anmelgar@cis106:~$ cd wildcardpractice
anmelgar@cis106:~/wildcardpractice$ ls random*.md
random_text.md
anmelgar@cis106:~/wildcardpractice$ ls *sample* *.md
random_text.md  sample123.csv  sample1.doc  sample1.xls  sample99.docx  samplejsonfile.json  sample.pdf  samplesite.html
anmelgar@cis106:~/wildcardpractice$ _
```

Practice 6

```
anmelgar@cis106:~/wildcardpractice$ ls *.???
2020-08-27-capture.raw  78food.txt    Allfiles.lst  baik.pdf  beatk.exe  beatk.xml  bk.pdf  book.exe  book.xml  file.log      _random.csv     Sample1234.csv  sample1.doc  sample.pdf
2022-02-02-camera.jpg   allfiles.lst  baik.exe      baik.xml  beatk.pdf  bk.exe     bk.xml  book.pdf  fail.log  logo100x100.png  randomtext.txt  sample123.csv   sample1.xls  Sample.pdf
anmelgar@cis106:~/wildcardpractice$ ls .??*
.bash_history  .hidden1.doc  .hidden1.py  .hidden2.doc  .hidden2.py  .hiddenFile.txt
anmelgar@cis106:~/wildcardpractice$ ls .b??*.???
ls: cannot access '.b??*.???': No such file or directory
anmelgar@cis106:~/wildcardpractice$ ls b??*.???
baik.exe  baik.pdf  baik.xml  beatk.exe  beatk.pdf  beatk.xml  book.exe  book.pdf  book.xml
anmelgar@cis106:~/wildcardpractice$ ls sample?.*
sample1.doc  sample1.xls
anmelgar@cis106:~/wildcardpractice$ ls .??*.??
.hidden1.py  .hidden2.py
anmelgar@cis106:~/wildcardpractice$ _
```

Practice 7

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