

# Week report 6

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## Wildcards.

the \* wildcard matches from 0 to any number of characters.

- Examples:
  - List all the text file in a directory.
    - 'ls \*.txt'
  - List all the files that start with the word file.
    - 'ls file\*'
  - Copy all the mp4 files
    - cp Downloads/\*.mp4 ~/Videos/Movies/'

## ? Wildcards

- The ? wildcard matches a single characters.
- Example
  - list all the files that have 3 characters and are followed by the word apple in the name.

```
1: daabualia@cis106: ~/pwcards ▾
daabualia@cis106:~/pwcards$ ls ???apple*
345apple.txt
daabualia@cis106:~/pwcards$ _
```

## Brace Expansion

- The {} brace expansion is another feature of bash that allows you to generate arbitrary strings to use with commands.
  - ExampE:

```
1: daabualia@cis106: ~ ▾
daabualia@cis106:~$ mkdir -p fruits/{apple,bannana}/{old,new}
daabualia@cis106:~$ tree fruits
fruits
├── apple
│   ├── new
│   └── old
└── bannana
    ├── new
    └── old

6 directories, 0 files
daabualia@cis106:~$ _
```

## practice 5

```

daabualia@cis106:~$ ls wildcardpractice/*random*
wildcardpractice/_random.csv      wildcardpractice/randomtext.txt
wildcardpractice/random_text.md
daabualia@cis106:~$ ls wildcardpractice/*.txt wildcardpractice/*.csv
wildcardpractice/78food.txt      wildcardpractice/sample1234.csv
wildcardpractice/_random.csv     wildcardpractice/sample123.csv
wildcardpractice/randomtext.txt
daabualia@cis106:~$ cd wildcardpractice/
daabualia@cis106:~/wildcardpractice$ ls random*.md
random_text.md
daabualia@cis106:~/wildcardpractice$ ls *sample* *.md
random_text.md  sample1.doc  sample99.docx  sample.pdf
sample123.csv  sample1.xls  samplejsonfile.json  samplesite.html
daabualia@cis106:~/wildcardpractice$

```

## practice 6

```

daabualia@cis106:~$ cd wildcardpractice/
daabualia@cis106:~/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
daabualia@cis106:~/wildcardpractice$ ls .???*
.bash_history  .hidden1.py  .hidden2.py
.hidden1.doc   .hidden2.doc  .hiddenFile.txt
daabualia@cis106:~/wildcardpractice$ ls b???*.???
baik.exe  baik.xml  beatk.pdf  book.exe  book.xml
baik.pdf  beatk.exe  beatk.xml  book.pdf
daabualia@cis106:~/wildcardpractice$ ls sample ?.*
ls: cannot access 'sample': No such file or directory
ls: cannot access '?.*': No such file or directory
daabualia@cis106:~/wildcardpractice$ ls sample?.*
sample1.doc  sample1.xls
daabualia@cis106:~/wildcardpractice$ ls .???*.??
.hidden1.py  .hidden2.py
daabualia@cis106:~/wildcardpractice$ _

```

## practice 7

```
daabualia@cis106:~/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

daabualia@cis106:~/wildcardpractice$ ls [A-Z]*{0-9}*
ls: cannot access '[A-Z]*{0-9}*': No such file or directory

daabualia@cis106:~/wildcardpractice$ ls [A-Z]*[0-9]*
Sample1234.csv

daabualia@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

daabualia@cis106:~/wildcardpractice$ ls [!AEIOUaiou]*
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                bk.pdf    _random.csv  samplejsonfile.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

daabualia@cis106:~/wildcardpractice$ ls [[:Punct:]]*
ls: cannot access '[[:Punct:]]*': No such file or directory

daabualia@cis106:~/wildcardpractice$ ls [[:punct:]]*
_random.csv
```