

Week Report 6

Wildcards.

* Wildcard

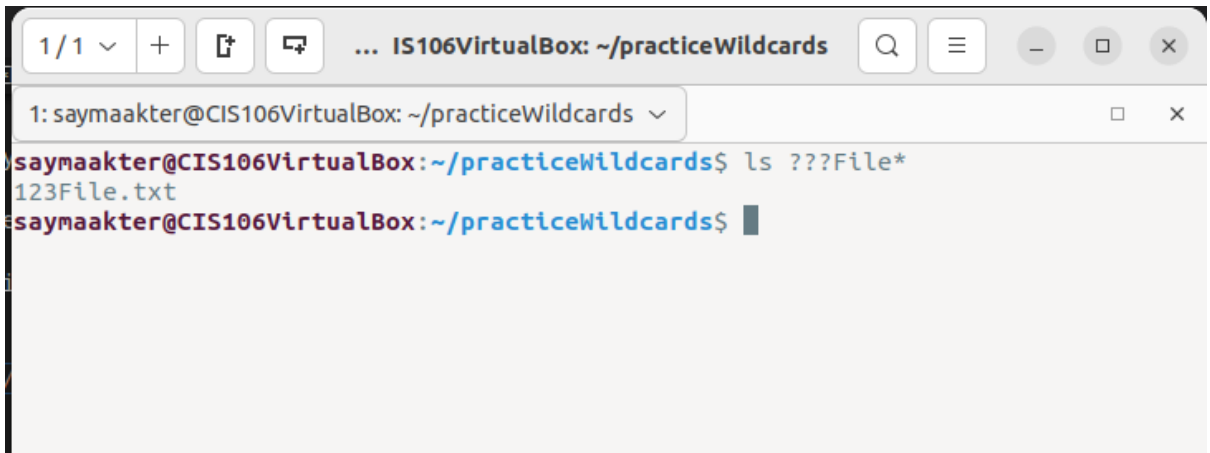
the * wildcard matches from 0 to any number of characters.

- 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/`

? Wildcard

The ? wildcard matches a single character.

- Examples:
 - List all the files that have 3 characters and are followed by the word file in the name

A screenshot of a terminal window titled "IS106VirtualBox: ~/practiceWildcards". The terminal shows a command prompt "saymaakter@CIS106VirtualBox: ~/practiceWildcards\$". The user enters the command "ls ???File*". The output of the command is "123File.txt". The terminal window has standard Linux window controls at the top and a search bar on the right.

```
1/1  +  ... IS106VirtualBox: ~/practiceWildcards  Q  -  x  
1: saymaakter@CIS106VirtualBox: ~/practiceWildcards  x  
saymaakter@CIS106VirtualBox: ~/practiceWildcards$ ls ???File*  
123File.txt  
saymaakter@CIS106VirtualBox: ~/practiceWildcards$
```

[] Wildcard

The brackets wildcard match is a single character in a range

- Examples:
 - To match all files that have a range of letters after f:
 - `ls f[a-z]*`

Brace Expansion

Brace expansion {} is not a wildcard but another feature of bash that allows you to generate arbitrary strings to use with commands.

- Examples:
 - To create a N number of files use:

- `touch file {A..Z}.txt`
- To remove multiple files in a single directory
 - `rm -r {dir1,dir2,dir3,file.txt,file.py}`

Practice

• Practice 5

```
saymaakter@CIS106VirtualBox: ~/wildcardpractice
saymaakter@CIS106VirtualBox:~$ curl -s https://cis106.com/assets/wildcardpractice.sh | bash
--2022-11-05 23:34:29-- 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

2022-11-05 23:34:30 (40.8 MB/s) - 'logo100x100.png' saved [3520/3520]

saymaakter@CIS106VirtualBox:~$ ls wildcardpractice/*random*
wildcardpractice/_random.csv  wildcardpractice/random_text.md  wildcardpractice/randomtext.txt
saymaakter@CIS106VirtualBox:~$ ls wildcardpractice/*.txt wildcardpractice/*.csv
wildcardpractice/78food.txt  wildcardpractice/randomtext.txt  wildcardpractice/sample123.csv
wildcardpractice/_random.csv  wildcardpractice/sample1234.csv
saymaakter@CIS106VirtualBox:~$ cd wildcardpractice/
saymaakter@CIS106VirtualBox:~/wildcardpractice$ ls random*.md
random_text.md
saymaakter@CIS106VirtualBox:~/wildcardpractice$ ls *sample* *.md
random_text.md sample123.csv sample1.doc sample1.xls sample99.docx samplejsonfile.json sample.pdf samplesite.html
saymaakter@CIS106VirtualBox:~/wildcardpractice$
```

• Practice 6

```
2/2 v + [T] [Q] Tilix: saymaakter@CIS106VirtualBox: ~
1: saymaakter@CIS106VirtualBox: ~ v
saymaakter@CIS106VirtualBox:~$ ~/wildcardpractice
bash: /home/saymaakter/wildcardpractice: No such file or directory
saymaakter@CIS106VirtualBox:~$ ls *.???
gitcommands.txt  lab5.zip
saymaakter@CIS106VirtualBox:~$ ls .??*
.bash_history  .gitconfig  .vboxclient-clipboard.pid
.bash_logout  .lessht  .vboxclient-display-svg-x11.pid
.bashrc  .profile  .vboxclient-draganddrop.pid
.cis106.png  .sudo_as_admin_successful  .vboxclient-seamless.pid

.cache:
event-sound-cache.tdb.56d8fc36504545faa0b12df1c61aa257.x86_64-pc-linux-gnu
evolution
fontconfig
gnome-desktop-thumbnailer
gstreamer-1.0
ibus
ibus-table
rhythmbox
samba
thumbnails
tracker3
ubuntu-report
update-manager-core

.config:
Code      gedit      gtk-4.0      pulse
dconf     gnome-control-center  ibus         QtProject.conf
enchant   gnome-initial-setup-done  libreoffice  update-notifier
eog       gnome-session  mimeapps.list  user-dirs.dirs
```

```

2/2  +  [Icons]  Tilix: saymaakter@CIS106VirtualBox: ~
1: saymaakter@CIS106VirtualBox: ~  v
dconf      gnome-control-center  ibus      QtProject.conf
enchant    gnome-initial-setup-done  libreoffice  update-notifier
eog        gnome-session          mimeapps.list  user-dirs.dirs
evolution  goa-1.0                nautilus    user-dirs.locale
flameshot  gtk-3.0                nemo
           QtProject.conf
           update-notifier
           user-dirs.dirs
           user-dirs.locale

.fontconfig:
2bd0278d-49c2-4c8c-9eea-32d695b22756-le64.cache-7  CACHEDIR.TAG

.gnupg:
pubring.kbx  trustdb.gpg

.local:
share  state

.pki:
nssdb

.ssh:
id_ed25519  id_ed25519.pub  known_hosts  known_hosts.old

.vscode:
argv.json  extensions
saymaakter@CIS106VirtualBox:~$ ls b??*.???
ls: cannot access 'b??*.???': No such file or directory
saymaakter@CIS106VirtualBox:~$ ls sample?.*
ls: cannot access 'sample?.*': No such file or directory
saymaakter@CIS106VirtualBox:~$ ls .??*.??
ls: cannot access '.??*.??': No such file or directory
saymaakter@CIS106VirtualBox:~$

```

- Practice 7

```

saymaakter@CIS106VirtualBox: ~
saymaakter@CIS106VirtualBox:~$ ls [a-z]*.???
gitcommands.txt  lab5.zip
saymaakter@CIS106VirtualBox:~$ ls [A-Z]*[0-9]
CIS106-22:
'Final project'  Labs  'Week reports'

Lab-5:
filea.txt  fileA.txt  fileB.txt  trivia.txt  triviaXYZ.txt  vita.txt
saymaakter@CIS106VirtualBox:~$ ls [0-9][0-9][0-9][0-9]*
ls: cannot access '[0-9][0-9][0-9][0-9]*': No such file or directory
saymaakter@CIS106VirtualBox:~$ ls [!AEIOUaeiou]*
gitcommands.txt  lab5.zip

5:

Cheatsheets:
'Absolute Path VS Relative Path Cheat sheet.png'  'MANAGING FILES AND DIRECTORIES CHEAT SHEET.png'
'Linux Workshop Ubuntu Software installation cheat sheet.png'  'The LS command Cheat Sheet.png'

CIS106-22:
'Final project'  Labs  'Week reports'

Desktop:
cls106.desktop

Documents:

Downloads:
'lab4files(1).zip'  Noto_Sans_Mono  pexels-7235676.jpeg  sample2.xls
'Linux Workshop Ubuntu Software installation cheat sheet.png'  Noto_Sans_Mono.zip  sample2.doc
'MANAGING FILES AND DIRECTORIES CHEAT SHEET.png'  pexels-13592310.jpeg  sample2.pdf

```

```

saymaakter@CIS106VirtualBox: ~
'lab4files(1).zip'          Noto_Sans_Mono    pexels-1235676.jpeg    sample2.xls
'Linux Workshop Ubuntu Software installation cheat sheet.png'    Noto_Sans_Mono.zip    sample2.doc
'MANAGING FILES AND DIRECTORIES CHEAT SHEET.png'    pexels-13592310.jpeg    sample2.pdf

lab:
docs  pets  songs

lab4files:
countries.json  csvfile.csv  document.docx  globe.avi  helloWorld.c  Linux.pdf  sample.xls  Tux.png  Ubuntu.pdf  website.html

Lab-5:
filea.txt  fileA.txt  fileB.txt  trivia.txt  triviaXYZ.txt  vita.txt

lab5-audio:
audio.mp3  Silence.mp3  song.mp3

lab5ChallengeQuestion:
assets

lab5-docs:
image3.png  image4.png

lab5-imgs:
image1.jpeg  image2.jpeg  image5.gif

lab5-video:
another.mp4  Pexels.mp4  Videoleaf.mp4

Music:

Pictures:
new_dir  NewWallpapers

another.mp4  Pexels.mp4  Videoleaf.mp4

Music:

Pictures:
new_dir  NewWallpapers

practiceWlIdcards:
123File.txt  file.txt

Public:

scripts:

snap:
code  firefox  snapd-desktop-integration  snap-store

Templates:

Videos:

website:
assets  docs  index.html

wildcardpractice:
2020-08-27-capture.raw    allfiles.lst    baik.xml    bk.exe    book.pdf    logo100x100.png    Sample1234.csv    sample99.docx    samplesite.html
2021-04-10-screenshot.jpeg    Allfiles.lst    beatk.exe    bk.pdf    book.xml    _random.csv    sample123.csv    samplejsonfile.json
2022-02-02-camera.jpg    baik.exe    beatk.pdf    bk.xml    fail.log    random_text.md    sample1.doc    sample.pdf
78food.txt    baik.pdf    beatk.xml    book.exe    file.log    randtext.txt    sample1.xls    Sample.pdf

saymaakter@CIS106VirtualBox:~$ ls[[:punch:]]*
ls[[:punch:]]*: command not found
saymaakter@CIS106VirtualBox:~$

```