<http://www.math.utah.edu/lab/unix/unix-commands.html#rmdir>

<http://freeengineer.org/learnUNIXin10minutes.html>

Create a file

wenyi.yan@Wenyi-Yan ~ $ mkdir file1

Create a document

wenyi.yan@Wenyi-Yan ~ $ touch abc

Create a document and write

wenyi.yan@Wenyi-Yan ~ $ cat > bcd

hi,wenyi.

(press contrl + d to exit)

read a document

wenyi.yan@Wenyi-Yan ~ $ cat < bcd

hi,wenyi.

move document in current dir into a file

wenyi.yan@Wenyi-Yan ~ $ mv bcd file1

wenyi.yan@Wenyi-Yan Desktop $ mv ~/Desktop/555 ~/Desktop/MISC

\*\* note the directory should be start from ~ then / .. end up with /

delete Remove document to current dir.

wenyi.yan@Wenyi-Yan ~ $ mv file1/bcd .

remove (delect document)

wenyi.yan@Wenyi-Yan ~ $ rm abc

remove (delect file)

wenyi.yan@Wenyi-Yan ~ $ rm -r file1

wenyi.yan@Wenyi-Yan ~ $ rmdir file1

edit document

wenyi.yan@Wenyi-Yan ~ $ vi bcd

hi,wenyi.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

(how to exit: ese -> :wq )

read what you edit

wenyi.yan@Wenyi-Yan ~ $ cat < bcd

hi,wenyi.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

read first 10 rows of bcd

wenyi.yan@Wenyi-Yan ~ $ head bcd

hi,wenyi.

1

2

3

4

5

6

7

8

9

read first 3 rows of bcd

wenyi.yan@Wenyi-Yan ~ $ head -3 bcd

hi,wenyi.

1

2

how to extract certain rows from current document to a brand new document

wenyi.yan@Wenyi-Yan ~ $ head -3 bcd > xyz

how to write some content into a brand new document

change directory

wenyi.yan@Wenyi-Yan ~ $ ls

Applications Library Public eee

Desktop Movies bcd nzjdbc3.jar

Documents Music bin projects

Downloads Pictures dbvis\_macos\_9\_2\_8\_java7\_jre.dmg xyz

wenyi.yan@Wenyi-Yan ~ $ cd Desktop

wenyi.yan@Wenyi-Yan Desktop $ cd ../

back to the home type ~

wenyi.yan@Wenyi-Yan misc $ ~

go to the root always type cd ../ could lead you to root

wenyi.yan@Wenyi-Yan ~ $ cd ../

wenyi.yan@Wenyi-Yan Users $ cd ../

wenyi.yan@Wenyi-Yan / $ ls

merge two file merage bcd and xyz into a new opq

wenyi.yan@Wenyi-Yan ~ $ cat bcd xyz > opq

h

change a document name rename using mv

* the mv is same as move but

rename : mv [doc] [doc]

move: mv [doc] [directory]

wenyi.yan@Wenyi-Yan ~ $ mv opq mergedoc

ls

ls –l

ls –a

create and write something

wenyi.yan@Wenyi-Yan desktop $ nano icudat.txt

^O -> ^x

Wenyis-Air:~ Wenyi$ echo "${x^^}"

| tr

Wenyis-Air:~ Wenyi$ echo "Hello World" | tr 'H' "h"

Wenyis-Air:~ Wenyi$ x="hello World"

Wenyis-Air:~ Wenyi$ echo $x

hello World

Wenyis-Air:~ Wenyi$ echo ${x^^}

-bash: ${x^^}: bad substitution

Wenyis-Air:~ Wenyi$ vim mys

Wenyis-Air:~ Wenyi$ chmod +x mys

Wenyis-Air:~ Wenyi$ ./mys

#!/bin/bash

echo -n "Enter a Number: "

read num

if [ "$num" -eq 10 ]

then

echo "That is a good number"

fi

~

#!/bin/bash

echo -n "Enter a Number: "

read num

if [ "$num" -eq 10 ]

then

echo "That is a good number"

elif [ "$num" -eq 20 ]

then

echo "That is one good number"

elif [ "$num" -eq 15 ]

then

echo "Another Good Number"

else

echo "I don't like that number very much"

fi

-eq

-lt

-gt

Wenyis-Air:~ Wenyi$ vim test.sh

Wenyis-Air:~ Wenyi$ chmod +x test.sh

#!/bin/bash

clear

echo -n "Enter Your Name: "

read name

clear

if [ "$name" = "Wenyi" ]

then

echo "hey girl"

elif [ "$name" = "Wong" ]

then

echo "hey guy"

else

echo "I don't know you"

fi

Wenyis-Air:~ Wenyi$ ./test.sh

Wenyis-Air:~ Wenyi$ echo "Hi All" | tr "[:upper:]" "[:lower:]"

Wenyis-Air:Applications Wenyi$ cd /Applications/

Intall sublime

ln -s /Applications/Sublime\ Text\ 2.app/Contents/SharedSupport/bin/subl /usr/local/bin/sublime

<https://www.youtube.com/watch?v=Vrr8_axrWdM>

Wenyis-Air:bin Wenyi$ subl

Wenyis-Air:~ Wenyi$ cd /usr

Wenyis-Air:bin Wenyi$ tr

Wenyis-Air:bin Wenyi$ cd ../

Wenyis-Air:~ Wenyi$ x=cat

Wenyis-Air:~ Wenyi$ [ $x = "cat" ] && echo "x is cat"

Wenyis-Air:~ Wenyi$ [ $x = "dog" ] && echo "x is cat" || echo "Well that's not true"

Well that's not true

Wenyis-Air:Desktop Wenyi$ ls ./MIS ./cs\_project | sort | less

Wenyis-Air:Desktop Wenyi$ ls ./MIS ./cs\_project | sort | uniq | less

Wenyis-Air:Desktop Wenyi$ ls ./MIS ./cs\_project | sort | uniq -d | less #see duplicate

Wenyis-Air:MIS Wenyi$ wc Superstore.xls

Wenyis-Air:MIS Wenyi$ ls | grep xls

Wenyis-Air:MIS Wenyi$ ls | grep "Screen"

Wenyis-Air:MIS Wenyi$ head -5 Superstore.xls

Wenyis-Air:MIS Wenyi$ mv Superstore.xls folder

Wenyis-Air:MIS Wenyi$ mv fami\* folder

enyis-Air:MIS Wenyi$ ln -f hello helloshortcut

Wenyis-Air:MIS Wenyi$ cat > hello

Abcdeffieie

Wenyis-Air:MIS Wenyi$ cat hello

abcdeffieie

Wenyis-Air:MIS Wenyi$ cat helloshortcut

Abcdeffieie

Pip

Download first

<https://pip.pypa.io/en/stable/installing/>

go the the file where you save the pip

Wenyis-Air:Documents Wenyi$ cd pip

Wenyis-Air:pip Wenyi$ python get-pip.py

Or

Wenyis-Air:pip Wenyi$ sudo python get-pip.py

Wenyis-Air:pip Wenyi$ pip install ipython[all]

Wenyis-Air:~ Wenyi$ ipython notebook

IBM

<https://www-01.ibm.com/support/knowledgecenter/ssw_aix_61/com.ibm.aix.cmds3/ln.htm>

how to install package using pip

\*\*\* I don’t think you need go to the pip document. Could run it directly

Wenyis-MacBook-Air:~ Wenyi$ cd Document

Wenyis-MacBook-Air:Documents Wenyi$ cd pip

Wenyis-MacBook-Air:pip Wenyi$ sudo pip install BeautifulSoup

Password:

Then go to ipython notebook

import BeautifulSoup

how to install package on mac

<https://www.youtube.com/watch?v=yKMslO6AuR8>

how to install pip

https://www.youtube.com/watch?v=yBdZZGPpYxg