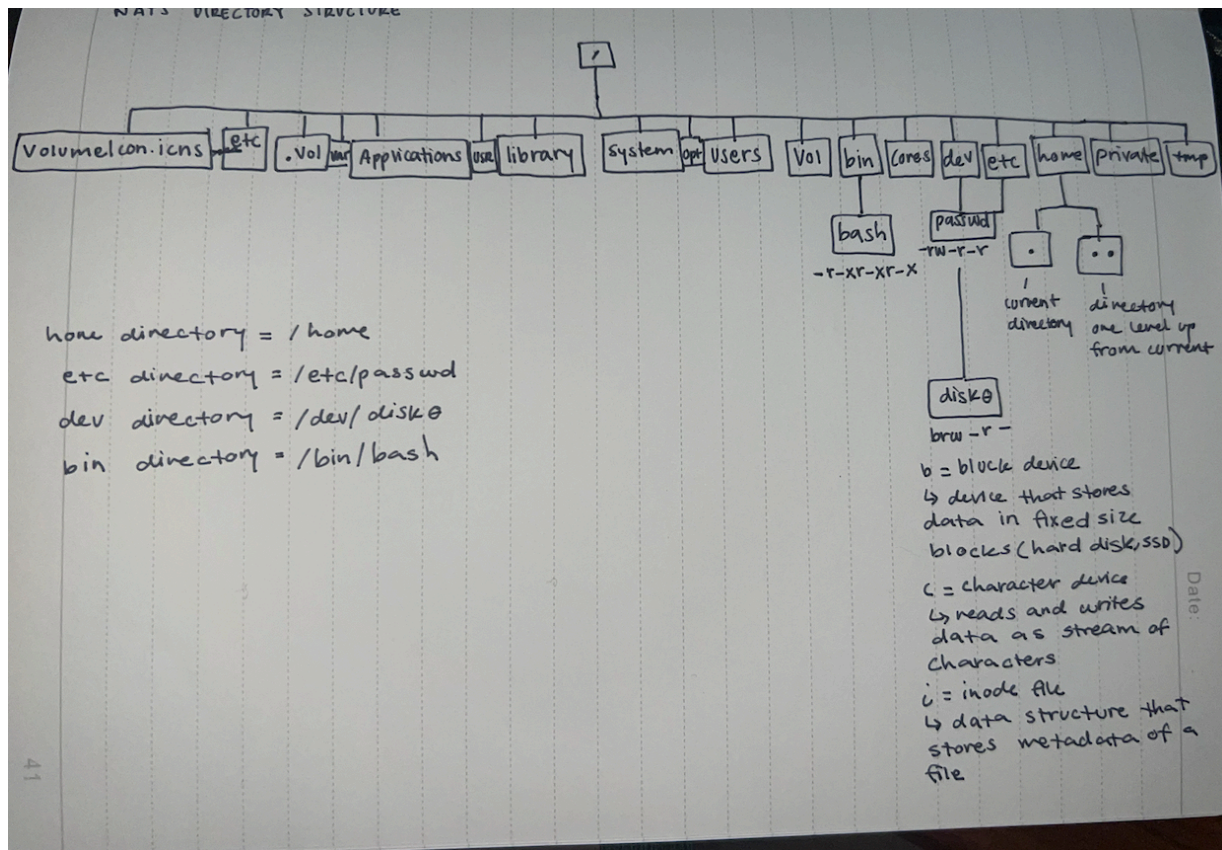


Question 1



Question 2

```
ls -a
nano .zshrc
source ~/.zshrc
pwd
ls
cd ncbi-blast-2.16.0+
pwd
blastn -version
cd blastn
ls blastn
ls /Users/nat/CONTRERAS_CODE/ncbi-blast-2.16.0+/bin
which blastn
/Users/nat/CONTRERAS_CODE/ncbi-blast-2.16.0+/bin/blastn -version\

blastn -help
exit
nat@Natalias-MacBook-Pro ~ $
```

```
nat@Natalias-MacBook-Pro ~ $ nano .zshrc
nat@Natalias-MacBook-Pro ~ $ source ~/.zshrc
source: no such file or directory: ~/.zshrc
nat@Natalias-MacBook-Pro ~ $ source ~/.zshrc
nat@Natalias-MacBook-Pro ~ $ which blastn
/Users/nat/CONTRERAS_CODE/ncbi-blast-2.16.0+/bin/blastn
nat@Natalias-MacBook-Pro ~ $ blastn -version
blastn: 2.16.0+
Package: blast 2.16.0, build Jun 25 2024 11:53:51
nat@Natalias-MacBook-Pro ~ $
```

Question 3

```
cd ~
vim bash.txt
cd Desktop
vim biol668_bash.txt
rm output.txt
bash biol668_bash.txt > output.txt
vim out.txt
bash biol668_bash.txt > output.txt
vim output.txt
x
nat@Natalias-MacBook-Pro ~ $
```

```
output.txt
6169 ??      0:00.83 /usr/libexec/siriknowledged
726 ??      0:34.42 /usr/libexec/sharingd
310 ??      0:50.25 /usr/libexec/logd
425 ??      14:06.40 /usr/sbin/coreaudiod
364 ??      1:28.39 /usr/libexec/PerfPowerServices
357 ??      1:55.92 /usr/libexec/locationd
4630 ??     0:26.78 /usr/libexec/mobileassetd
637 ??      0:19.76 /usr/libexec/nsurlsessiond
371 ??      1:11.76 /usr/sbin/bluetoothd
785 ??     11:04.32 /usr/libexec/avconferenced
15
Tue Feb 18 19:21:26 PST 2025
February 2025
Su Mo Tu We Th Fr Sa
                1
 2  3  4  5  6  7  8
 9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28

nat
Filesystem      512-blocks      Used Available Capacity  iused   ifree %iused  Mounted on
/dev/disk3s1s1  478724992 26046784 35274968    43% 404167 176374840    0% /
devfs              392          392          0  100%    678          0  100% /dev
/dev/disk3s6     478724992 4194424 35274968    11%     2 176374840    0% /System/Volumes/VM
/dev/disk3s2     478724992 24100392 35274968    41%  1551 176374840    0% /System/Volumes/Preboot
/dev/disk3s4     478724992 1304688 35274968     4%   310 176374840    0% /System/Volumes/Update
/dev/disk1s2     1024000    12328  988272     2%     1  4941360    0% /System/Volumes/xarts
/dev/disk1s1     1024000    12704  988272     2%    32  4941360    0% /System/Volumes/ISCPreboot
/dev/disk1s3     1024000     976  988272     1%    50  4941360    0% /System/Volumes/Hardware
/dev/disk3s5     478724992 383750744 35274968    92% 1779043 176374840    1% /System/Volumes/Data
map auto_home          0          0          0  100%     0          0    - /System/Volumes/Data/home
/dev/disk3s1     478724992 26046784 35274968    43% 404492 176374840    0% /System/Volumes/Update/mnt1
/opt/anaconda3/bin/python
```

Question 4

```
nano .zshrc
source .zshrc
cd Documents
ls
cp world2.txt /Users/nat/Desktop
r
c
which
rm world2.txt
ls
qfind Adobe
..
cd Downloads
ls
h
qfind *.csv
qfind .csv
qfind zshrc
nano .zshrc
~
nano .zshrc
ls -a
ls -al
cat .zsh_history
cp .zshrc contreras_ zshrc_profile Desktop
cp .zshrc contreras_zshrc_profile Desktop
cp ~/.zshrc ~/Desktop/zshrc_biol668
cd Desktop
ls
nat@Natalias-MacBook-Pro ~ $
```

Note: these is part of the .zsh_history, all the commands work correctly on my terminal.