```
~$ ls
 2021-01-12-201159.term    E2021                           ybigta.txt
 2021-01-14-155059.term   'Welcome to CoCalc.ipynb'        ybigtaE
~$ -a
bash: -a: command not found
~$ ls -a
 .                                          .sage
 ..                                         .smc
 .2021-01-12-201159.term-0.term             .snapshots
 .2021-01-14-155059.term-0.term             .ssh
'.Welcome to CoCalc.ipynb.sage-jupyter2'    .viminfo
 .bash_history                              2021-01-12-201159.term
 .bash_profile                              2021-01-14-155059.term
 .bashrc                                    E2021
 .config                                   'Welcome to CoCalc.ipynb'
 .gitconfig                                 ybigta.txt
 .gitexcludes                               ybigtaE
 .jupyter-blobs-v0.db
~$ cd ybigtaE
~/ybigtaE$ ls
2021
~/ybigtaE$ echo Hello World > hello.txt
~/ybigtaE$ cat hello.txt
Hello World
~/ybigtaE$ pwd
/home/user/ybigtaE
~/ybigtaE$ []


~/ybigtaE$ echo Bye World >> hello.txt
~/ybigtaE$ cat hello.txt
Hello World
Bye World
~/ybigtaE$ cat <  hello.txt >banana.txt
~/ybigtaE$ cat banana.txt
Hello World
Bye World
~/ybigtaE$ []
```

```
~/ybigtaE$ cat test.txt
sally sells seashells
sally by the seashore
~/ybigtaE$ grep by test.txt
sally by the seashore
~/ybigtaE$ grep seashore$ test.txt
sally by the seashore
~/ybigtaE$ grep b. *
grep: 2021: Is a directory
test.txt:sally by the seashore
~/ybigtaE$ []


~/ybigtaE$ $ cat /etc/shadow
bash: $: command not found
~/ybigtaE$ cat /etc/shadow
cat: /etc/shadow: Permission denied
~/ybigtaE$ ls -la /etc/shadow
-rw-r----- 1 root shadow 1284 Dec  2 10:30 /etc/shadow
~/ybigtaE$ sudo cat /etc/shadow
```

```
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║            STOP: YOUR ARE NOT AN ADMINISTRATOR          ║
╠═══════════════════════════════════════════════════════╣
║ Email help@cocalc.com to install software globally      ║
║ or to assist you installing it inside your project.     ║
║ We need to know the website, install instructions, etc. ║
║                                                         ║
║ Quick help for installing locally:                      ║
║ Python: pip3 install --user [pkgname]                   ║
║         https://doc.cocalc.com/howto/install-python-lib.html ║
║ Node:   npm [pkg] instead of sudo npm -g [pkg]          ║
║ R:      run R and then > install.package(...)           ║
║         https://doc.cocalc.com/howto/install-r-package.html ║
╚═══════════════════════════════════════════════════════╝
```

```
~/ybigtaE$ cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/usr/sbin/nologin
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
```

```
~/ybigtaE$ ls -l ./
total 4
drwxr-xr-x 2 user user  2 Jan 12 11:15 2021
-rw-r--r-- 1 user user  0 Jan 14 07:34 2021-01-14-161842.term
-rw-r--r-- 1 user user 22 Jan 14 06:58 banana.txt
-rw-r--r-- 1 user user 22 Jan 14 06:56 hello.txt
-rw-r--r-- 1 user user 44 Jan 14 07:08 test.txt
~/ybigtaE$ chmod u+x hello.txt
~/ybigtaE$ sudo chown patty hello.txt

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║ Node:   npm [pkg] instead of sudo npm -g [pkg]         ║
║ R:      run R and then > install.package(...)          ║
║         https://doc.cocalc.com/howto/install-r-package.html  ║
╚══════════════════════════════════════════════════════╝

~/ybigtaE$ []
```