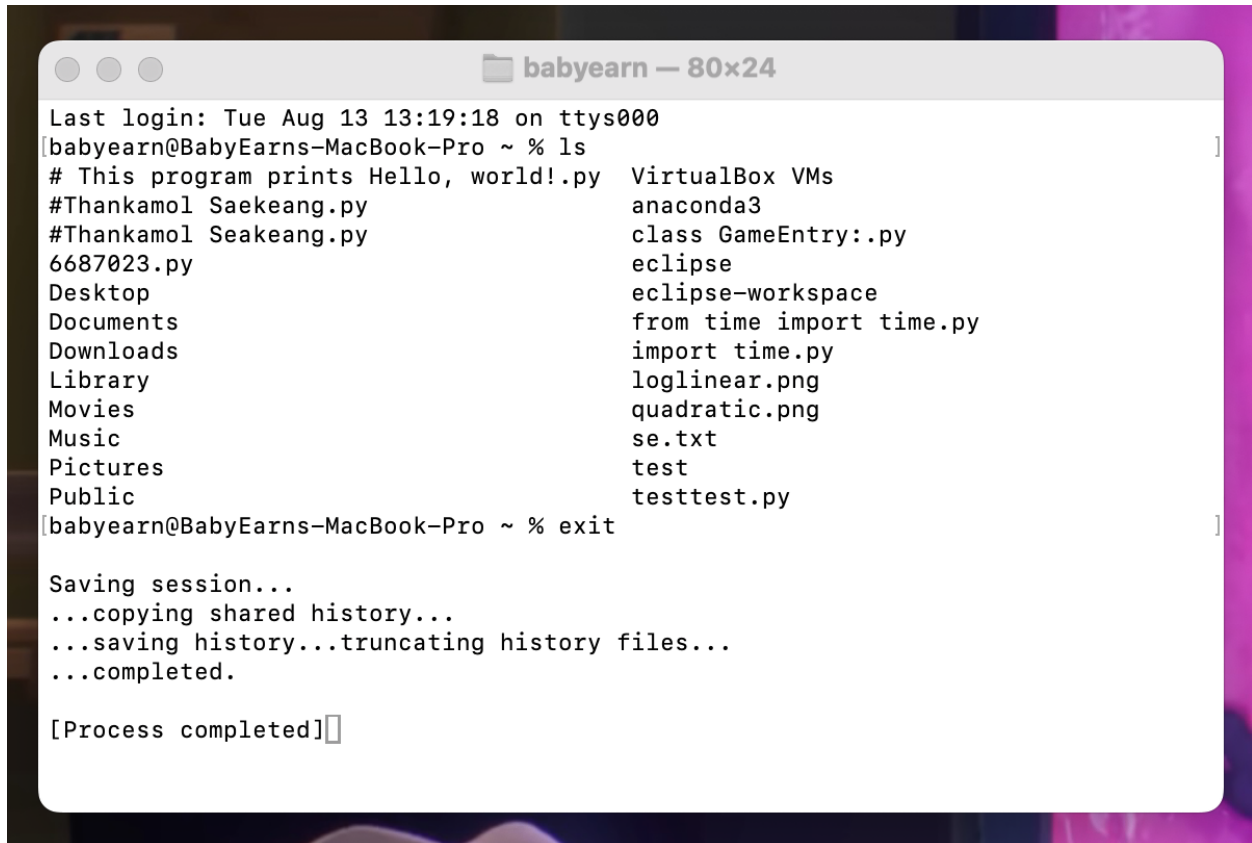# Terminal

• ใส่ command "ls" และให้ดูผลลัพธ์ของคำสั่ง

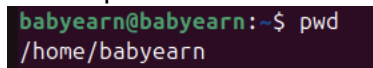• ใส่ command "exit" และให้ดูผลลัพธ์ของคำสั่ง

```
Last login: Tue Aug 13 13:19:18 on ttys000
[babyearn@BabyEarns-MacBook-Pro ~ % ls
# This program prints Hello, world!.py   VirtualBox VMs
#Thankamol Saekeang.py                   anaconda3
#Thankamol Seakeang.py                   class GameEntry:.py
6687023.py                               eclipse
Desktop                                  eclipse-workspace
Documents                                from time import time.py
Downloads                                import time.py
Library                                  loglinear.png
Movies                                   quadratic.png
Music                                    se.txt
Pictures                                 test
Public                                   testtest.py
[babyearn@BabyEarns-MacBook-Pro ~ % exit

Saving session...
...copying shared history...
...saving history...truncating history files...
...completed.

[Process completed]
```
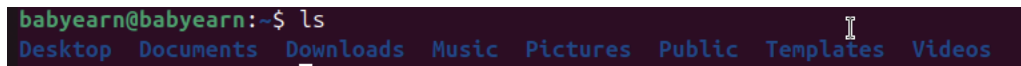
Ubuntu

- pwd

```
babyearn@babyearn:~$ pwd
/home/babyearn
```
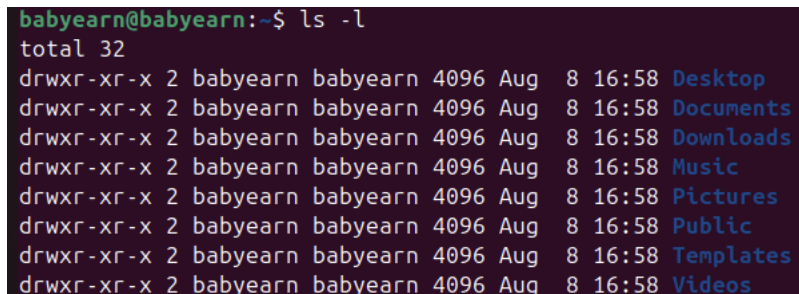
- ls

```
babyearn@babyearn:~$ ls
Desktop  Documents  Downloads  Music  Pictures  Public  Templates  Videos
```

- ls -l

```
babyearn@babyearn:~$ ls -l
total 32
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Desktop
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Documents
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Downloads
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Music
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Pictures
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Public
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Templates
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Videos
```

- ls -a

```
babyearn@babyearn:~$ ls -a
.  ..  .bash_history  .bash_logout  .bashrc  .cache  .config  Desktop  Documents  Downloads  .gnupg  .local  Music  Pictures  .profile  Public  .ssh  .sudo_as_admin_successful  Templates  Videos
```

- ls -la

```
babyearn@babyearn:~$ ls -la
total 76
drwxr-x--- 15 babyearn babyearn 4096 Aug 13 05:18 .
drwxr-xr-x  3 root     root     4096 Aug  8 14:04 ..
-rw-------  1 babyearn babyearn  335 Aug  8 17:08 .bash_history
-rw-r--r--  1 babyearn babyearn  220 Mar 31 08:41 .bash_logout
-rw-r--r--  1 babyearn babyearn 3771 Mar 31 08:41 .bashrc
drwx------ 11 babyearn babyearn 4096 Aug  8 17:08 .cache
drwx------ 13 babyearn babyearn 4096 Aug  8 17:30 .config
drwxr-xr-x  2 babyearn babyearn 4096 Aug  8 16:58 Desktop
drwxr-xr-x  2 babyearn babyearn 4096 Aug  8 16:58 Documents
drwxr-xr-x  2 babyearn babyearn 4096 Aug  8 16:58 Downloads
drwx------  2 babyearn babyearn 4096 Aug  8 17:24 .gnupg
drwx------  4 babyearn babyearn 4096 Aug  8 16:58 .local
drwxr-xr-x  2 babyearn babyearn 4096 Aug  8 16:58 Music
drwxr-xr-x  2 babyearn babyearn 4096 Aug  8 16:58 Pictures
-rw-r--r--  1 babyearn babyearn  807 Mar 31 08:41 .profile
drwxr-xr-x  2 babyearn babyearn 4096 Aug  8 16:58 Public
drwx------  2 babyearn babyearn 4096 Aug  8 14:05 .ssh
-rw-r--r--  1 babyearn babyearn    0 Aug  8 14:42 .sudo_as_admin_successful
drwxr-xr-x  2 babyearn babyearn 4096 Aug  8 16:58 Templates
drwxr-xr-x  2 babyearn babyearn 4096 Aug  8 16:58 Videos
```

- cd

```
babyearn@babyearn:~$ cd
babyearn@babyearn:~$ pwd
/home/babyearn
```

- mkdir

```
babyearn@babyearn:~$  mkdir test
babyearn@babyearn:~$ ls
Desktop  Documents  Downloads  Music  Pictures  Public  Templates  test  Videos
```

- rmdir

```
babyearn@babyearn:~$ rmdir test
babyearn@babyearn:~$ ls
Desktop  Documents  Downloads  Music  Pictures  Public  Templates  Videos
```

- echo

```
babyearn@babyearn:~$ echo TEST
TEST
babyearn@babyearn:~$ echo $HOME
/home/babyearn
babyearn@babyearn:~$ echo $USERNAME
babyearn
babyearn@babyearn:~$ echo USERNAME
USERNAME
```

- nano

```
babyearn@babyearn:~$ nano test.txt
babyearn@babyearn:~$ ls -l
total 36
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Desktop
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Documents
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Downloads
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Music
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Pictures
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Public
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Templates
-rw-rw-r-- 1 babyearn babyearn   47 Aug 13 05:03 test.txt
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Videos
```

- cat

```
babyearn@babyearn:~$ cat test.txt
d/kshdaswskask
sjkagsklaw;'
shavbzjxcv
vszbnm,
```

- more

```
babyearn@babyearn:~$ more test.txt
d/kshdaswskask
sjkagsklaw;'
shavbzjxcv
vszbnm,
```

- cp

```
babyearn@babyearn:~$ cp test.txt new.txt

babyearn@babyearn:~$ ls -l
total 40
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Desktop
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Documents
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Downloads
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Music
-rw-rw-r-- 1 babyearn babyearn   47 Aug 13 05:05 new.txt
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Pictures
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Public
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Templates
-rw-rw-r-- 1 babyearn babyearn   47 Aug 13 05:03 test.txt
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Videos
```

- rm

```
babyearn@babyearn:~$ rm new.txt
babyearn@babyearn:~$ ls -l
total 36
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Desktop
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Documents
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Downloads
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Music
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Pictures
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Public
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Templates
-rw-rw-r-- 1 babyearn babyearn   47 Aug 13 05:03 test.txt
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Videos
```

- mv

```
babyearn@babyearn:~$ mv test.txt muict.txt
babyearn@babyearn:~$ ls -l
total 36
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Desktop
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Documents
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Downloads
-rw-rw-r-- 1 babyearn babyearn   47 Aug 13 05:03 muict.txt
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Music
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Pictures
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Public
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Templates
drwxr-xr-x 2 babyearn babyearn 4096 Aug  8 16:58 Videos
```

- grep

```
babyearn@babyearn:~$ grep vsz muict.txt
vszbnm,
```