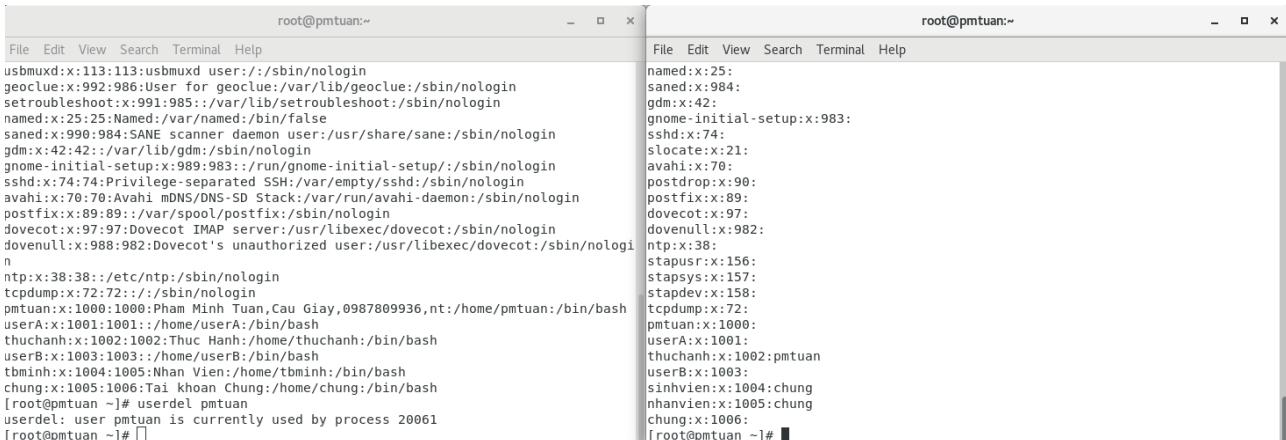


LAB 2

Bài 1:

```
#includedir /etc/sudoers.d
[root@pmtuan ~]# cat /etc/sudoers | grep vien
%sinhvien      ALL=(ALL)      ALL
%nhanvien      ALL=(All)      ALL
[root@pmtuan ~]#
```

Bài 2:



The image shows two terminal windows side-by-side. Both windows have a title bar 'root@pmtuan:~' and a menu bar 'File Edit View Search Terminal Help'. The left window displays a log of user activities on the system, including logins for various services like usbmuxd, geooclue, setroubleshoot, named, saned, gdm, gnome-initial-setup, sshd, slocate, avahi, postfix, dovecot, and ntp. It also shows logins for users pmtnuan, userA, userB, tbminh, and chung. The right window shows a similar log but with slightly different entries, such as named:x:25:, saned:x:984:, gdm:x:42:, gnome-initial-setup:x:983:, sshd:x:74:, slocate:x:21:, avahi:x:70:, postdrop:x:90:, postfix:x:89:, dovecot:x:97:, dovenull:x:982:, ntp:x:38:, stapsr:x:156:, stapsys:x:157:, stadev:x:158:, tcpcdump:x:72:, pmtnuan:x:1000:, userA:x:1001:, userB:x:1002:, tbminh:x:1004:, chung:x:1005:, nhanvien:x:1004:, chung:x:1005:, and userdel: user pmtnuan is currently used by process 20061.

```
[pmtuan@pmtuan ~]$ ll /home/pmtuan
total 4
drwxrwxr-x. 2 pmtuan sinhvien 21 Jan 16 09:43 Document
-rw-r--r--. 1 pmtuan sinhvien 40 Jan 16 09:27 tam
[pmtuan@pmtuan ~]$
```

```
[pmtuan@pmtuan ~]$ ll /home/pmtuan/Document/
total 4
-rw-rw-r--. 1 pmtuan sinhvien 32 Jan 16 10:00 doc.txt
[pmtuan@pmtuan ~]$
```

```
[pmtuan@pmtuan ~]$ tail -2 Document/doc.txt
UTC
For study[pmtuan@pm
[pmtuan@pmtuan ~]$
```

```
[pmtuan@pmtuan ~]$ cat > Document/doc.txt < tam
[pmtuan@pmtuan ~]$ tail -2 Document/doc.txt
```

This is been modified!

```
[pmtuan@pmtuan ~]$
```

```
[chung@pmtuan home]$ sudo cat /home/pmtuan/Document/doc.txt
This is my file

This is been modified by chung
[chung@pmtuan home]$ █
```

The image shows two terminal windows side-by-side. The left window, titled 'chung@pmtuan:/home/pmtuan/Document', shows a user named 'chung' attempting to edit a file. The right window, titled 'tbminh@pmtuan:~', shows another user named 'tbminh' interacting with the same file. Both users are trying to change the content of 'doc.txt'.

Left Terminal (chung@pmtuan):

```
[root@pmtuan home]# visudo
visudo: /etc/sudoers.tmp unchanged
[root@pmtuan home]# su - tbminh
Last login: Fri Jan 16 09:45:06 EST 2026 on pts/0
[tbminh@pmtuan ~]$ sudo cat /home/pmtuan/Document/doc.txt
[sudo] password for tbminh:
Sorry, user tbminh is not allowed to execute '/bin/cat /home/pmtuan/Document/doc.txt' as root on pmtuan.
[tbminh@pmtuan ~]$ cat /home/pmtuan/Document/doc.txt
cat: /home/pmtuan/Document/doc.txt: Permission denied
[tbminh@pmtuan ~]$ su - chung
Password:
Last login: Fri Jan 16 09:35:24 EST 2026 on pts/0
[chung@pmtuan ~]$ cd /home/pmtuan/Document
-bash: cd: /home/pmtuan/Document: Permission denied
[chung@pmtuan ~]$ cd /home/pmtuan/Document
-bash: cd: /home/pmtuan/Document: Permission denied
[chung@pmtuan ~]$ cd /home/pmtuan/Document
[chung@pmtuan Document]$ ls -l
total 4
-rw-rw-r--. 1 pmtuan sinhvien 48 Jan 16 09:43 doc.txt
[chung@pmtuan Document]$ vi doc.txt
[chung@pmtuan Document]$ echo "This file was modified by Chung" > doc.txt
[chung@pmtuan Document]$ cat █
```

Right Terminal (tbminh@pmtuan):

```
[pmtuan@pmtuan ~]$ su - tbminh
>Password:
Last login: Fri Jan 16 09:50:33 EST 2026 on pts/0
[tbminh@pmtuan ~]$ cat /home/pmtuan/Document/doc.txt
This file was modified by Chung
[tbminh@pmtuan ~]$ echo "Tbminh da sua file nay" > /home/pmtuan/Document/doc.txt
> ^C
[tbminh@pmtuan ~]$ echo "Tbminh da sua file nay" > /home/pmtuan/Document/doc.txt
-bash: /home/pmtuan/Document/doc.txt: Permission denied
[tbminh@pmtuan ~]$ █
```