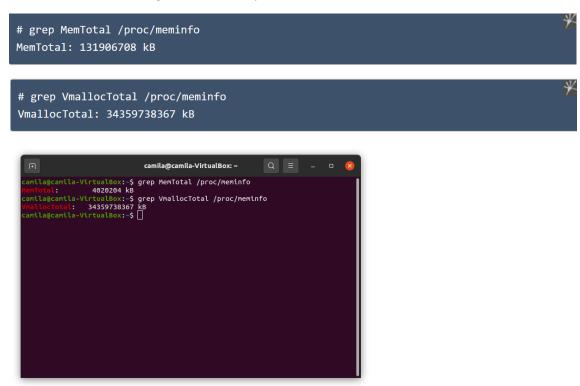
Homework #3:

Tutorial 1: Understanding Virutal Memory



Tutorial 2: Advange of keeping a page cache

```
[root@centos-8 ~]# echo "Understanding Linux memory management" > my_file
[root@centos-8 ~]# sync
 [root@centos-8 ~]# echo 3 > /proc/sys/vm/drop_caches
[root@centos-8 ~]# time cat my_file
Understanding Linux memory management
        0m0.031s
real
        0m0.000s
user
        0m0.003s
sys
[root@centos-8 ~]# time cat my_file
Understanding Linux memory management
real
        0m0.001s
        0m0.000s
user
        0m0.001s
```

Some changes were made because the terminal showed an error stating that access was denied to change the cache, so I had to enter the root to make the changes.

```
camila@camila-VirtualBox:~$ echo "Understanding Linux memory management" > my_fi le camila@camila-VirtualBox:~$ sync camila@camila-VirtualBox:~$ sudo su - [sudo] contraseña para camila: root@camila-VirtualBox:~# echo 1 > /proc/sys/vm/drop_caches root@camila-VirtualBox:~# exit cerrar sesión camila@camila-VirtualBox:~$ time cat my_file Understanding Linux memory management

real 0m0,007s user 0m0,001s camila@camila-VirtualBox:~$ time cat my_file Understanding Linux memory management

real 0m0,001s camila@camila-VirtualBox:~$ time cat my_file Understanding Linux memory management

real 0m0,001s camila@camila-VirtualBox:~$ time cat my_file Understanding Linux memory management

real 0m0,001s sys 0m0,000s camila@camila-VirtualBox:~$
```

Tutorial #3: Understanding Active and Inactive Memory

```
# grep -i active /proc/meminfo

Active: 13486424 kB

Inactive: 480856 kB

Active(anon): 11579352 kB

Inactive(anon): 88424 kB

Active(file): 1907072 kB

Inactive(file): 392432 kB
```

```
camila@camila-VirtualBox:~$ grep -i active /proc/meminfo
Active: 241904 kB
Inactive: 1328020 kB
Active(anon): 1916 kB
Inactive(file): 239988 kB
Inactive(file): 299136 kB
camila@camila-VirtualBox:~$
```