CSC 262 Operating Systems Course
Assignment #5
Due Date: Dec 7, Wednesday

Proc File System Discovery
In this assignment, you are asked to read some information about your operating system. You can use the virtual machines for this assignment or you can go with a native linux installation.
You can find some useful information about the proc file system in below links
- https://linux.die.net/man/5/proc
- http://tldp.org/LDP/Linux-Filesystem-Hierarchy/html/proc.html

Also an introductory java code is already on the web page of the course.

Please write a code to collect below information and submit your code.

1. The number of CPUs in your machine and their clock speed, number of cores.
2. The version of Linux kernel running on your system
3. The time in day:hr:min:sec when the system was last booted
4. The average load on the system in the last 15 minutes
5. The total usable and currently free memory in the system
6. The total swap space and the currently used swap space in the system
7. The swap partitions and their sizes
8. The time the CPU spent (over all processes) in the user mode and kernel mode
9. The number of context switches made by the system so far
10. The number of interrupts handled by the system so far