Assignment 1 (Day 1)

lsb_release -a

```
ashu@ashu:~$ lsb_release -a
No LSB modules are available.
Distributor ID: Ubuntu
Description: Ubuntu 20.04.3 LTS
Release: 20.04
Codename: focal
ashu@ashu:~$
```

uname -ra

```
ashu@ashu:-$ uname -ra
Linux ashu 5.11.0-40-generic #44~20.04.2-Ubuntu SMP Tue Oct 26 18:07:44 UTC 2021 x86_64 x86_64 x86_64 GNU/Linux
ashu@ashu:-$
```

cat /proc/meminfo

```
ashu@ashu:~$ cat /proc/meminfo
MemTotal:
                 6020036 kB
MemFree:
                 2164760 kB
MemAvailable:
                 3795696 kB
Buffers:
                   70020 kB
Cached:
                 1802180 kB
SwapCached:
                       0 kB
Active:
                  450272 kB
Inactive:
                 2964996 kB
Active(anon):
                   10608 kB
Inactive(anon):
                 1597432 kB
Active(file):
                 439664 kB
Inactive(file):
                 1367564 kB
Unevictable:
                      16 kB
Mlocked:
                      16 kB
SwapTotal:
                 2097148 kB
SwapFree:
                 2097148 kB
Dirty:
                       4 kB
Writeback:
                       4 kB
AnonPages:
                 1543148 kB
                  804972 kB
Mapped:
Shmem:
                   69100 kB
KReclaimable:
                   75952 kB
Slab:
                  172300 kB
SReclaimable:
                   75952 kB
SUnreclaim:
                   96348 kB
KernelStack:
                   14528 kB
PageTables:
                   33080 kB
NFS_Unstable:
                       0 kB
Bounce:
                       0 kB
WritebackTmp:
                       0 kB
                 5107164 kB
CommitLimit:
Committed AS:
                 7345548 kB
VmallocTotal:
                34359738367 kB
VmallocUsed:
                   85860 kB
VmallocChunk:
                       0 kB
Percpu:
                   14016 kB
HardwareCorrupted:
                       0 kB
AnonHugePages:
                       0 kB
ShmemHugePages:
                       0 kB
ShmemPmdMapped:
                       0 kB
                       0 kB
FileHugePages:
FilePmdMapped:
                       0 kB
HugePages Total:
                       0
HugePages Free:
                       0
HugePages_Rsvd:
                       0
HugePages Surp:
                       0
Hugepagesize:
                    2048 kB
Hugetlb:
                       0 kB
DirectMap4k:
                  335060 kB
DirectMap2M:
                 3801088 kB
DirectMap1G:
                 3145728 kB
```

```
processor : 1

wendor_Id : AuthenticAMD

cpu Famity : 23

model : 24

model name : AMD Ryzen 3 3250W with Radeon Graphics

stepping : 1

microcode : swisson

stepping : 1

microcode : swisson

swisson
```

cat /proc/iomem

```
ashu@ashu:~$ cat /proc/iomem
00000000-00000000 : Reserved
00000000-00000000 : System RAM
00000000-000000000 : Reserved
00000000-00000000 : System RAM
00000000-00000000 : PCI Bus 0000:00
 00000000-00000000 : Reserved
00000000-00000000 : PCI Bus 0000:00
00000000-00000000 : System ROM
00000000-00000000 : System RAM
00000000-00000000 : Reserved
00000000-00000000 : System RAM
00000000-00000000 : ACPI Non-volatile Storage
00000000-000000000 : System RAM
00000000-00000000 : System RAM
00000000-00000000 : System RAM
00000000-00000000 : Reserved
00000000-00000000 : System RAM
00000000-00000000 : Reserved
00000000-00000000 : System RAM
 00000000-00000000 : Kernel code
 00000000-00000000 : Kernel rodata
 00000000-00000000 : Kernel data
 00000000-00000000 : Kernel bss
00000000-00000000 : Reserved
 00000000-00000000 : MSFT0101:00
   00000000-00000000 : MSFT0101:00
 00000000-00000000 : MSFT0101:00
   00000000-00000000 : MSFT0101:00
00000000-00000000 : ACPI Non-volatile Storage
00000000-00000000 : ACPI Tables
00000000-000000000 : System RAM
00000000-00000000 : Reserved
00000000-00000000 : PCI Bus 0000:00
 00000000-00000000 : PCI Bus 0000:03
   00000000-00000000 : 0000:03:00.0
```

```
ashu@ashu:~$ cat /proc/ioports
0000-0000 : PCI Bus 0000:00
 0000-0000 : dma1
 0000-0000 : pic1
 0000-0000 : timer0
 0000-0000 : timer1
 0000-0000 : keyboard
 0000-0000 : PNP0800:00
 0000-0000 : PNP0C09:00
   0000-0000 : EC data
 0000-0000 : keyboard
 0000-0000 : PNP0C09:00
   0000-0000 : EC cmd
 0000-0000 : rtc cmos
   0000-0000 : rtc0
 0000-0000 : dma page reg
 0000-0000 : pic2
 0000-0000 : dma2
 0000-0000 : fpu
   0000-0000 : PNP0C04:00
 0000-0000 : pnp 00:02
   0000-0000 : ACPI PM1a_EVT_BLK
   0000-0000 : ACPI PM1a_CNT_BLK
   0000-0000 : ACPI PM TMR
   0000-0000 : ACPI CPU throttle
   0000-0000 : ACPI GPE0 BLK
 0000-0000 : pnp 00:02
 0000-0000 : pnp 00:02
 0000-0000 : ACPI PM2 CNT BLK
 0000-0000 : piix4_smbus
 0000-0000 : piix4 smbus
 0000-0000 : pnp 00:02
 0000-0000 : pnp 00:02
0000-0000 : PCI conf1
0000-0000 : PCI Bus 0000:00
 0000-0000 : PCI Bus 0000:03
   0000-0000 : 0000:03:00.0
 0000-0000 : PCI Bus 0000:02
   0000-0000 : 0000:02:00.0
     0000-0000 : rtl8821ce
 0000-0000 : PCI Bus 0000:01
   0000-0000 : 0000:01:00.0
```