

```
Activities Terminal Jan 18 18:46
migue@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments

systemd-private-d2da96e78b16424b00f35128f6b350ba-nodenmanager.service-E31t1B
systemd-private-d2da96e78b16424b00f35128f6b350ba-power-profiles-daemon.service-GZdhuk
systemd-private-d2da96e78b16424b00f35128f6b350ba-spice-vdagentd.service-FWu5k
systemd-private-d2da96e78b16424b00f35128f6b350ba-switcheroo-control.service-bpqr1
systemd-private-d2da96e78b16424b00f35128f6b350ba-system-logind.service-3d3vna
systemd-private-d2da96e78b16424b00f35128f6b350ba-system-oomd.service-82D1CQ
systemd-private-d2da96e78b16424b00f35128f6b350ba-system-resolved.service-9qGdfn
systemd-private-d2da96e78b16424b00f35128f6b350ba-system-timesyncd.service-JT3n01
systemd-private-d2da96e78b16424b00f35128f6b350ba-upower.service-0F3Mgo
tracker-extract-3-Files-1000
migue@miguel-Standard-PC-Q35-ICH9-2009: /tmp$ mkdir tmp
migue@miguel-Standard-PC-Q35-ICH9-2009: /tmp$ ls
tmp-private-tmp
systemd-private-d2da96e78b16424b00f35128f6b350ba-color.service-V508bc
systemd-private-d2da96e78b16424b00f35128f6b350ba-nodenmanager.service-E31t1B
systemd-private-d2da96e78b16424b00f35128f6b350ba-power-profiles-daemon.service-GZdhuk
systemd-private-d2da96e78b16424b00f35128f6b350ba-spice-vdagentd.service-FWu5k
systemd-private-d2da96e78b16424b00f35128f6b350ba-switcheroo-control.service-bpqr1
systemd-private-d2da96e78b16424b00f35128f6b350ba-system-logind.service-3d3vna
systemd-private-d2da96e78b16424b00f35128f6b350ba-system-oomd.service-82D1CQ
systemd-private-d2da96e78b16424b00f35128f6b350ba-system-resolved.service-9qGdfn
systemd-private-d2da96e78b16424b00f35128f6b350ba-system-timesyncd.service-JT3n01
systemd-private-d2da96e78b16424b00f35128f6b350ba-upower.service-0F3Mgo
tmp
tracker-extract-3-Files-1000
migue@miguel-Standard-PC-Q35-ICH9-2009: /tmp$ rmdir tmp
migue@miguel-Standard-PC-Q35-ICH9-2009: /tmp$ sudo mkdir OS
migue@miguel-Standard-PC-Q35-ICH9-2009: /tmp$ ls
OS
tmp-private-tmp
systemd-private-d2da96e78b16424b00f35128f6b350ba-color.service-V508bc
systemd-private-d2da96e78b16424b00f35128f6b350ba-nodenmanager.service-E31t1B
systemd-private-d2da96e78b16424b00f35128f6b350ba-power-profiles-daemon.service-GZdhuk
systemd-private-d2da96e78b16424b00f35128f6b350ba-switcheroo-control.service-bpqr1
systemd-private-d2da96e78b16424b00f35128f6b350ba-system-logind.service-3d3vna
systemd-private-d2da96e78b16424b00f35128f6b350ba-system-oomd.service-82D1CQ
systemd-private-d2da96e78b16424b00f35128f6b350ba-system-resolved.service-9qGdfn
systemd-private-d2da96e78b16424b00f35128f6b350ba-system-timesyncd.service-JT3n01
systemd-private-d2da96e78b16424b00f35128f6b350ba-upower.service-0F3Mgo
tracker-extract-3-Files-1000
migue@miguel-Standard-PC-Q35-ICH9-2009: /tmp$ cd OS
migue@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS$ mkdir CWU
mkdir: cannot create directory 'CWU': Permission denied
migue@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS$ sudo mkdir CWU
migue@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS$ cd CWU
migue@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU$ ls
migue@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU$ sudo mkdir LabAssignments
migue@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU$ cd LabAssignments
migue@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments$ touch ex1.txt
touch: cannot touch 'ex1.txt': Permission denied
migue@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments$ sudo touch ex1.txt
migue@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments$ ls
ex1.txt
migue@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments$
```

```
Activities Terminal Jan 18 18:48
GNU nano 6.2 ex1.txt *
This is a test.
```

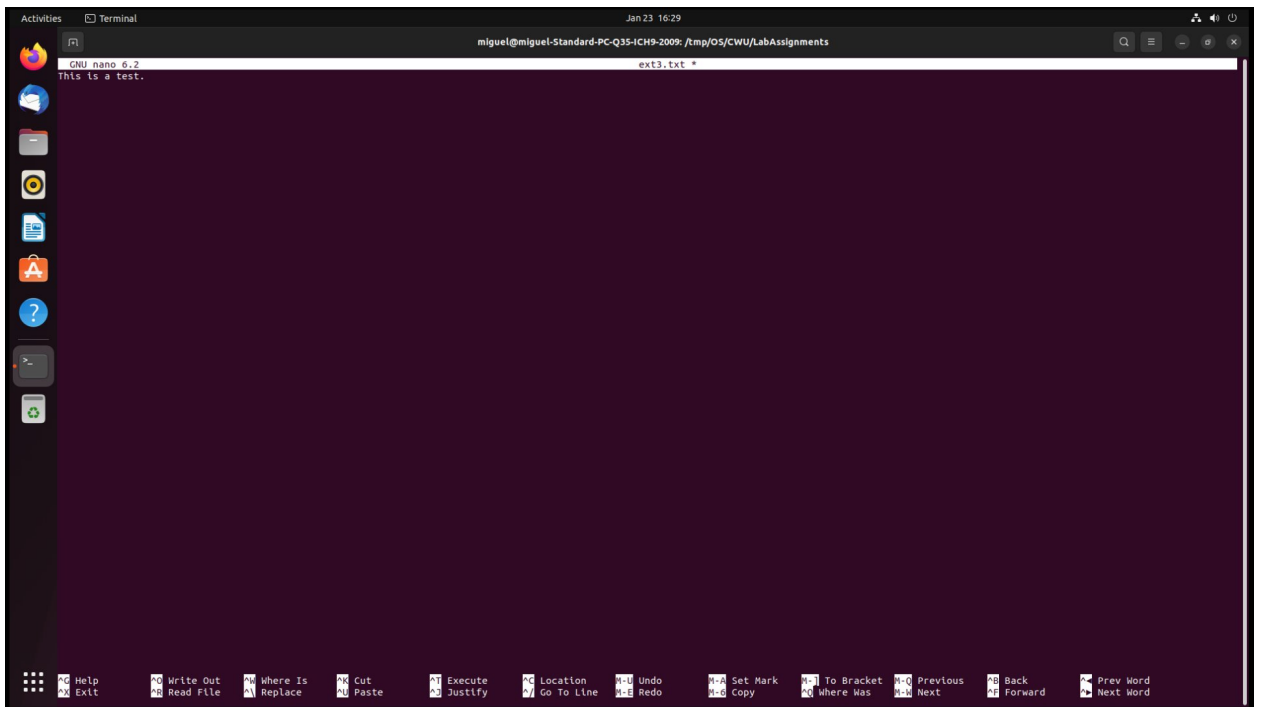
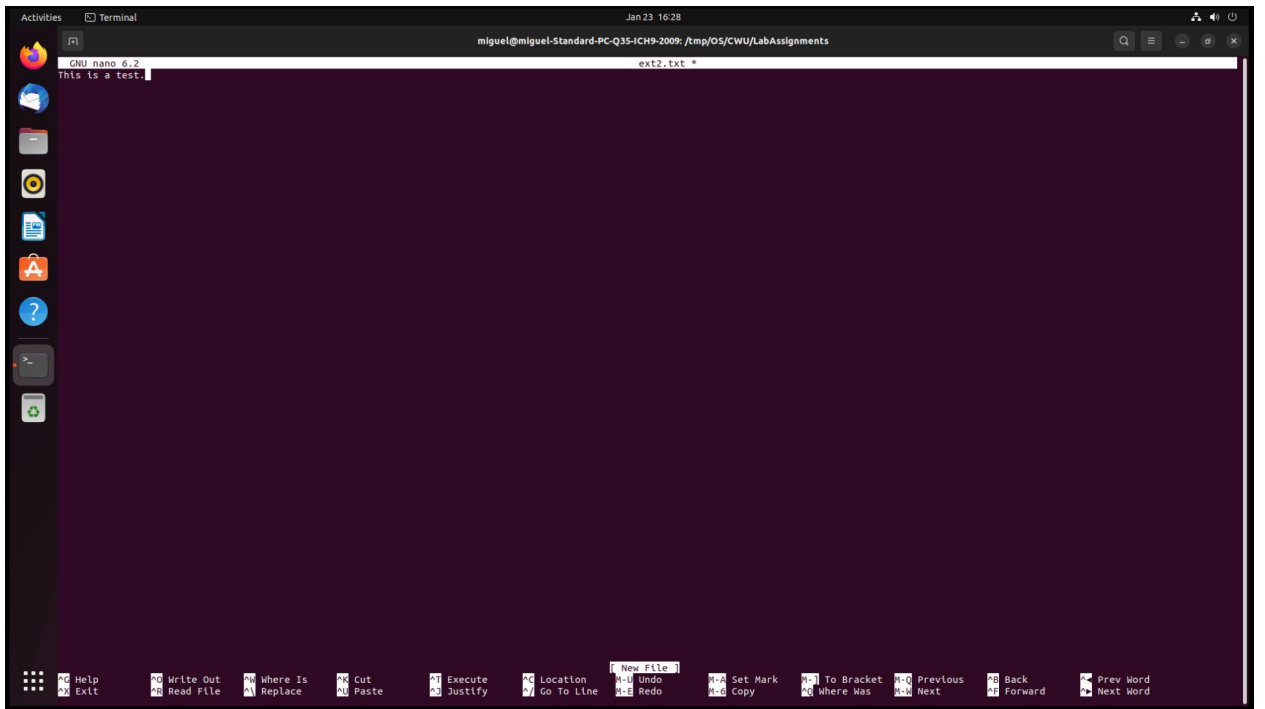
Help	Write Out	Where Is	Cut	Execute	Location	Read 0 Lines	Set Mark	To Bracket	Previous	Back	Prev Word
Exit	Read File	Replace	Paste	Justify	Go To Line	Undo	Copy	Where Was	Next	Forward	Next Word

```
Activities Terminal Jan 18 18:48
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments

systemd-private-d2da96e78b16424b00f35128f6b350ba-systemd-logind.service-3d3yna
systemd-private-d2da96e78b16424b00f35128f6b350ba-systemd-oomd.service-82d1c0
systemd-private-d2da96e78b16424b00f35128f6b350ba-systemd-resolved.service-9gGdfn
systemd-private-d2da96e78b16424b00f35128f6b350ba-systemd-timesyncd.service-JT3n01
systemd-private-d2da96e78b16424b00f35128f6b350ba-upower.service-0F3Mgo
tracker-extract-3-Files-1000
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp$ mkdir tmp
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp$ ls
tmp
system-private-tmp
systemd-private-d2da96e78b16424b00f35128f6b350ba-color.service-V508bc
systemd-private-d2da96e78b16424b00f35128f6b350ba-ModemManager.service-E31t18
systemd-private-d2da96e78b16424b00f35128f6b350ba-power-profiles-daemon.service-GZWhuk
systemd-private-d2da96e78b16424b00f35128f6b350ba-spice-vdagentd.service-FWwsk
systemd-private-d2da96e78b16424b00f35128f6b350ba-switcheroo-control.service-bpqHr1
systemd-private-d2da96e78b16424b00f35128f6b350ba-systemd-logind.service-3d3yna
systemd-private-d2da96e78b16424b00f35128f6b350ba-systemd-oomd.service-82d1c0
systemd-private-d2da96e78b16424b00f35128f6b350ba-systemd-resolved.service-9gGdfn
systemd-private-d2da96e78b16424b00f35128f6b350ba-systemd-timesyncd.service-JT3n01
systemd-private-d2da96e78b16424b00f35128f6b350ba-systemd-timesyncd.service-JT3n01
systemd-private-d2da96e78b16424b00f35128f6b350ba-upower.service-0F3Mgo
tmp
tracker-extract-3-Files-1000
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp$ rmdir tmp
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp$ sudo mkdir OS
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp$ ls
OS
system-private-tmp
systemd-private-d2da96e78b16424b00f35128f6b350ba-color.service-V508bc
systemd-private-d2da96e78b16424b00f35128f6b350ba-ModemManager.service-E31t18
systemd-private-d2da96e78b16424b00f35128f6b350ba-power-profiles-daemon.service-GZWhuk
systemd-private-d2da96e78b16424b00f35128f6b350ba-spice-vdagentd.service-FWwsk
systemd-private-d2da96e78b16424b00f35128f6b350ba-switcheroo-control.service-bpqHr1
systemd-private-d2da96e78b16424b00f35128f6b350ba-systemd-logind.service-3d3yna
systemd-private-d2da96e78b16424b00f35128f6b350ba-systemd-oomd.service-82d1c0
systemd-private-d2da96e78b16424b00f35128f6b350ba-systemd-resolved.service-9gGdfn
systemd-private-d2da96e78b16424b00f35128f6b350ba-systemd-timesyncd.service-JT3n01
systemd-private-d2da96e78b16424b00f35128f6b350ba-upower.service-0F3Mgo
tracker-extract-3-Files-1000
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp$ cd OS
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS$ mkdir CWU
mkdir: cannot create directory 'CWU': Permission denied
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS$ sudo mkdir CWU
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS$ cd CWU
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU$ ls
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU$ sudo mkdir LabAssignments
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU$ cd LabAssignments
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments$ touch ex1.txt
touch: cannot touch 'ex1.txt': Permission denied
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments$ sudo touch ex1.txt
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments$ ls
ex1.txt
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments$ nano ex1.txt
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments$ sudo nano ex1.txt
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments$ cat ex1.txt
This is a test.
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments$
```

```
Activities Terminal Jan 23 16:26
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments

miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp$ sudo mkdir OS
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp$ ls
OS
system-private-tmp
systemd-private-d2da96e78b16424b00f35128f6b350ba-color.service-V508bc
systemd-private-d2da96e78b16424b00f35128f6b350ba-ModemManager.service-E31t18
systemd-private-d2da96e78b16424b00f35128f6b350ba-power-profiles-daemon.service-GZWhuk
systemd-private-d2da96e78b16424b00f35128f6b350ba-spice-vdagentd.service-FWwsk
systemd-private-d2da96e78b16424b00f35128f6b350ba-switcheroo-control.service-bpqHr1
systemd-private-d2da96e78b16424b00f35128f6b350ba-systemd-logind.service-3d3yna
systemd-private-d2da96e78b16424b00f35128f6b350ba-systemd-oomd.service-82d1c0
systemd-private-d2da96e78b16424b00f35128f6b350ba-systemd-resolved.service-9gGdfn
systemd-private-d2da96e78b16424b00f35128f6b350ba-systemd-timesyncd.service-JT3n01
systemd-private-d2da96e78b16424b00f35128f6b350ba-upower.service-0F3Mgo
tracker-extract-3-Files-1000
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp$ cd OS
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS$ mkdir CWU
mkdir: cannot create directory 'CWU': Permission denied
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS$ sudo mkdir CWU
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS$ cd CWU
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU$ ls
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU$ sudo mkdir LabAssignments
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU$ cd LabAssignments
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments$ touch ex1.txt
touch: cannot touch 'ex1.txt': Permission denied
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments$ sudo touch ex1.txt
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments$ ls
ex1.txt
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments$ nano ex1.txt
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments$ sudo nano ex1.txt
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments$ cat ex1.txt
This is a test.
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments$ suod mkdir directory1 directory2
Command 'suod' not found, did you mean:
  Command 'sudo' from deb sudo (1.9.9-1ubuntu2.2)
  Command 'sudo' from deb sudo-lsdp (1.9.9-1ubuntu2.2)
Try: sudo apt install -d deb names
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments$ sudo mkdir directory1 directory2
Command 'suod' not found, did you mean:
  Command 'sum' from deb coreutils (8.32-4.1ubuntu1)
  Command 'sur' from deb subtle (0.11.3224-x1-2.2bulld4)
  Command 'sudo' from deb sudo (1.9.9-1ubuntu2.2)
  Command 'sudo' from deb sudo-lsdp (1.9.9-1ubuntu2.2)
  Command 'su1' from deb hxttools (20211204-1)
  Command 'sup' from deb sup (20100519-3)
  Command 'sumo' from deb sumo (1.12.0+dfsg1-1)
  Command 'su' from deb util-linux (2.37.2-4ubuntu3)
Try: sudo apt install -d deb names
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments$ sudo mkdir directory1 directory2
[sudo] password for miguel:
Sorry, try again.
[sudo] password for miguel:
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments$ ls
directory1 directory2 ex1.txt
miguel@miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments$
```



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Activities Terminal Jan 23 16:32
migue[miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments$
command 'sudo' from deb sudo (1.12.0+dfsg1-1)
command 'su' from deb util-linux (2.37.2-4ubuntu3)
Try: sudo apt install <deb name>
migue[miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments$ sudo mkdir directory1 directory2
[sudo] password for migue:
Sorry, try again.
[sudo] password for migue:
migue[miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments$ ls
directory1 directory2 ex1.txt
migue[miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments$ touch ex2.txt ex3.txt
touch: cannot touch 'ex2.txt': Permission denied
migue[miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments$ sudo touch ex2.txt ex3.txt
migue[miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments$ ls
directory1 directory2 ex1.txt ex2.txt ex3.txt
migue[miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments$ sudo nano ext2.txt
migue[miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments$ cat ext2.txt
This is a test.
migue[miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments$ cat ext3.txt
This is a test.
migue[miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments$ pwd
/tmp/OS/CWU/LabAssignments
migue[miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments$ ls -l
total 20
drwxr-xr-x 2 root root 4096 Jan 23 16:26 directory1
drwxr-xr-x 2 root root 4096 Jan 23 16:26 directory2
-rw-r--r-- 1 root root 16 Jan 18 18:48 ex1.txt
-rw-r--r-- 1 root root 0 Jan 23 16:27 ex2.txt
-rw-r--r-- 1 root root 0 Jan 23 16:27 ex3.txt
-rw-r--r-- 1 root root 16 Jan 23 16:29 ext2.txt
-rw-r--r-- 1 root root 16 Jan 23 16:29 ext3.txt
migue[miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments$ sudo chown ex1.txt migue
chown: invalid user: 'ex1.txt'
migue[miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments$ sudo chown migue ex1.txt
migue[miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments$ ls -l
total 20
drwxr-xr-x 2 root root 4096 Jan 23 16:26 directory1
drwxr-xr-x 2 root root 4096 Jan 23 16:26 directory2
-rw-r--r-- 1 migue root 16 Jan 18 18:48 ex1.txt
-rw-r--r-- 1 root root 0 Jan 23 16:27 ex2.txt
-rw-r--r-- 1 root root 0 Jan 23 16:27 ex3.txt
-rw-r--r-- 1 root root 16 Jan 23 16:29 ext2.txt
-rw-r--r-- 1 root root 16 Jan 23 16:29 ext3.txt
migue[miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments$ sudo chmod a-rwx ex1.txt
migue[miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments$ ls -l
total 20
drwxr-xr-x 2 root root 4096 Jan 23 16:26 directory1
drwxr-xr-x 2 root root 4096 Jan 23 16:26 directory2
-rw-r--r-- 1 migue root 16 Jan 18 18:48 ex1.txt
-rw-r--r-- 1 root root 0 Jan 23 16:27 ex2.txt
-rw-r--r-- 1 root root 0 Jan 23 16:27 ex3.txt
-rw-r--r-- 1 root root 16 Jan 23 16:29 ext2.txt
-rw-r--r-- 1 root root 16 Jan 23 16:29 ext3.txt
migue[miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments$
```

Activities System Profiler and Benchmark Jan 23 16:33

migue[miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments\$

Try: migue

[sudo] Information View Help

Sorry

[sudo] Refresh Generate Report Copy to Clipboard

migue

Computer

Summary

Operating System

Kernel Modules

Boots

Languages

Filesystems

Display

Environment Variables

Development

Users

Groups

Devices

Processor

Memory

PCI Devices

USB Devices

Printers

Battery

Sensors

Input Devices

done.

total 20

drwxr-xr-x 2 root root 4096 Jan 23 16:26 directory1

drwxr-xr-x 2 root root 4096 Jan 23 16:26 directory2

-rw-r--r-- 1 migue root 16 Jan 18 18:48 ex1.txt

-rw-r--r-- 1 root root 0 Jan 23 16:27 ex2.txt

-rw-r--r-- 1 root root 0 Jan 23 16:27 ex3.txt

-rw-r--r-- 1 root root 16 Jan 23 16:29 ext2.txt

-rw-r--r-- 1 root root 16 Jan 23 16:29 ext3.txt

migue[miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments\$ sudo chmod a-rwx ex1.txt

migue[miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments\$ ls -l

total 20

drwxr-xr-x 2 root root 4096 Jan 23 16:26 directory1

drwxr-xr-x 2 root root 4096 Jan 23 16:26 directory2

-rw-r--r-- 1 migue root 16 Jan 18 18:48 ex1.txt

-rw-r--r-- 1 root root 0 Jan 23 16:27 ex2.txt

-rw-r--r-- 1 root root 0 Jan 23 16:27 ex3.txt

-rw-r--r-- 1 root root 16 Jan 23 16:29 ext2.txt

-rw-r--r-- 1 root root 16 Jan 23 16:29 ext3.txt

migue[miguel-Standard-PC-Q35-ICH9-2009: /tmp/OS/CWU/LabAssignments\$ hardInfo

Gtk-Message: 16:33:07.600: Failed to load module "canberra-gtk-module"

System Information

Computer - Summary

Operating System

Ubuntu 22.04.1 LTS

CPU

AMD Ryzen 5 5600X 6-Core Processor

5 physical processors; 4 cores; 5 threads

RAM

4017416 KiB

Motherboard

pc-q35-7.0 / Standard PC (Q35 + ICH9, 2009) (QEMU)

Graphics

1920x1080

(Unknown)

The X.Org Foundation

Storage

Printers

Audio

libMidi, libMidi2