

# Final Exam

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## Question 1

```
maybs248@cis106:~$ ls -lGgh midtermfiles3/
total 8.0K
drwxrwxr-x 2 4.0K May 17 18:05 question1
drwxrwxr-x 2 4.0K May 17 18:05 question3
```

## Question 2

```
maybs248@cis106:~$ echo "Basic Information about the system" > basicInfo.txt
maybs248@cis106:~$ cut -d ";" -f1 /etc/passwd | wc -l
49
```

```
maybs248@cis106:~$ grep -n "/sbin/nologin" /etc/passwd | wc -l
39
```

```
maybs248@cis106:~$
```

```
Basic Information about the system
```

```
Total number of user is
49
```

```
Total number of users thar can login is
2
```

```
Memory information
```

	total	used	free	shared	buff/cache	available	
Mem:	2025204	1153796	82868	29152	788540	654456	
Swap:	2097148	1033948	1063200				

```
~
```

## Question 3

```
maybs248@cis106:~/katrina$ mkdir -p fall22/{cis106,
cis180,en102}
```

```
maybs248@cis106:~$ mv ~/midtermfiles3/question3/lin* ~/katrina/fall22/cis106/
maybs248@cis106:~$ mv ~/midtermfiles3/question3/net* ~/katrina/fall22/cis180/
maybs248@cis106:~$ mv ~/midtermfiles3/question3/com* ~/katrina/fall22/en102/
maybs248@cis106:~$ mv ~/midtermfiles3/question3/Lin* ~/katrina/fall22/cis106/
maybs248@cis106:~$ tree katrina/fall22/
```

```
katrina/fall22/
├── cis106
│   ├── Linuxbook.pdf
│   ├── linuxhmw.pdf
│   └── linuxnotes.pdf
├── cis180
│   ├── networkingbook.pdf
│   ├── networkinghamw.pdf
│   └── networkingnotes.pdf
└── en102
    └── comp2syllabus.pdf
```

3 directories, 7 files

```
maybs248@cis106:~$ tree -h katrina/fall22/ > katrina.html
```

```
maybs248@cis106:~$ sudo apt install apache2
[sudo] password for maybs248:
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
  apport-symptoms guile-2.2-libs libfwupdplugin1 libgcl2 libgnome-games-support-1-3
  libgnome-games-support-common libqqwing2v5 linux-headers-5.13.0-37-generic
  linux-hwe-5.13-headers-5.13.0-37 linux-image-5.13.0-37-generic linux-modules-5.13.0-37-gene
```

## Question 4

```
maybs248@cis106:~/midtermfiles3/question1$ pwd
/home/maybs248/midtermfiles3/question1
```

```
maybs248@cis106:~/midtermfiles3/question1$ df -i MacOS_logo.svg
Filesystem      Inodes   IUsed   IFree IUse% Mounted on
/dev/sda5        3244032 422712 2821320   14% /
```

```
maybs248@cis106:~/midtermfiles3/question1$ mv MacOS_logo.svg /usr/share/backgrounds/ MacOS_logo.svg mac1
logo.png
```

```
maybs248@cis106:~/midtermfiles3/question1$ ls -lhs
total 188K
4.0K -rw-rw-r-- 1 maybs248 maybs248 512 May 17 18:05 about.html
24K -rw-rw-r-- 1 maybs248 maybs248 21K May 17 18:05 accounts.ods
4.0K -rw-rw-r-- 1 maybs248 maybs248 551 May 17 18:05 basicInfo.txt
4.0K -rw-rw-r-- 1 maybs248 maybs248 512 May 17 18:05 contact.html
4.0K -rw-rw-r-- 1 maybs248 maybs248 41 May 17 18:05 hello.py
4.0K -rw-rw-r-- 1 maybs248 maybs248 36 May 17 18:05 hello.rb
4.0K -rw-rw-r-- 1 maybs248 maybs248 32 May 17 18:05 hello.sh
4.0K -rw-rw-r-- 1 maybs248 maybs248 512 May 17 18:05 index.html
12K -rw-rw-r-- 1 maybs248 maybs248 10K May 17 18:05 linux.docx
16K -rw-rw-r-- 1 maybs248 maybs248 16K May 17 18:05 linux.pdf
4.0K -rw-rw-r-- 1 maybs248 maybs248 609 May 17 18:05 linux.txt
12K -rw-rw-r-- 1 maybs248 maybs248 11K May 17 18:05 macos.docx
4.0K -rw-rw-r-- 1 maybs248 maybs248 4.0K May 17 18:05 MacOS_logo.svg
```