

# CSE 4502: Operating Systems Lab

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## Task 1

```
[blackknight@parrot]~$ mkdir CSE4502_200042121  
[blackknight@parrot]~$
```

## Task 2

```
[blackknight@parrot]~$ mkdir CSE4502_200042121  
[blackknight@parrot]~$ cd CSE4502_200042121/  
[blackknight@parrot]~/CSE4502_200042121$ $ mkdir Lab02  
[blackknight@parrot]~/CSE4502_200042121$ cd Lab02  
[blackknight@parrot]~/CSE4502_200042121$
```

## Task 3

```
[blackknight@parrot]~$ cd ~/Downloads  
[blackknight@parrot]~/Downloads$ $ ls  
LabHandout.pdf Tasks_Lab_02.docx  
[blackknight@parrot]~/Downloads$ $ cp LabHandout.pdf ~/CSE4502_200042121/Lab02/  
[blackknight@parrot]~/Downloads$ $ cp Tasks_Lab_02.docx ~/CSE4502_200042121/Lab02/  
[blackknight@parrot]~/Downloads$ $ ls  
LabHandout.pdf Tasks_Lab_02.docx  
[blackknight@parrot]~/Downloads$ $ cd ~/CSE4502_200042121/Lab02  
[blackknight@parrot]~/CSE4502_200042121/Lab02$ $ ls  
LabHandout.pdf notes2.txt notes.txt Tasks_Lab_02.docx
```

## Task 4

```
[blackknight@parrot]~/CSE4502_200042121/Lab02$ $ cat > file1.txt  
Hello World  
[blackknight@parrot]~/CSE4502_200042121/Lab02$ $ cat >> file1.txt  
Bye World  
[blackknight@parrot]~/CSE4502_200042121/Lab02$ $ cat file1.txt  
Hello World  
Bye World  
[blackknight@parrot]~/CSE4502_200042121/Lab02$ $ mv file1.txt notes.txt  
[blackknight@parrot]~/CSE4502_200042121/Lab02$ $ ls  
notes.txt
```

## Task 5

```
[blackknight@parrot]~/CSE4502_200042121/Lab02$ $ cat ^[]  
Format Folders Extensions Help
```

## Task 6

```
[blackknight@parrot] -[~/CSE4502_200042121/Lab02]
└─$ find . -name '*.txt'
./notes.txt
./notes2.txt
```

## Task 7

```
exit - Parrot Terminal
File Edit View Search Terminal Tabs Help
exit - Parrot Terminal x exit - Parrot Terminal x
[blackknight@parrot]-(~)
└─ $cd /media
[blackknight@parrot]-(~/media)
└─ $ls
blackknight
[blackknight@parrot]-(~/media)
└─ $cd blackknight/
[blackknight@parrot]-(~/media/blackknight)
└─ $ls
[blackknight@parrot]-(~/media/blackknight)
└─ $ls -la
total 0
drwxr-xr-x 1 root root 0 18 09:27 .
drwxr-xr-x 1 root root 22 18 08:39 ..
[blackknight@parrot]-(~/media/blackknight)
└─ $sudo mkdir Backup
[blackknight@parrot]-(~/media/blackknight)
└─ $ls
Backup
[blackknight@parrot]-(~/media/blackknight)
└─ $chmod 777 Backup/
chmod: changing permissions of 'Backup/': Operation not permitted
[x]-[blackknight@parrot]-(~/media/blackknight)
└─ $sudo chmod 777 Backup/
```

```
exit - Parrot Terminal
File Edit View Search Terminal Tabs Help
exit - Parrot Terminal x exit - Parrot Terminal
[blackknight@parrot]~/media/blackknight]
ls -la
total 0
drwxr-xr-x 1 root root 0 18 09:27 .
drwxr-xr-x 1 root root 22 18 08:39 ..
[blackknight@parrot]~/media/blackknight]
sudo mkdir Backup
[blackknight@parrot]~/media/blackknight]
ls
Backup
[blackknight@parrot]~/media/blackknight]
chmod 777 Backup/
chmod: changing permissions of 'Backup/': Operation not permitted
[x]~[blackknight@parrot]~/media/blackknight]
sudo chmod 777 Backup/
[blackknight@parrot]~/media/blackknight]
cd Backup/
[blackknight@parrot]~/media/blackknight/Backup]
scp -r ~/CSE4502_200042121/ /media/blackknight/Backup/
[blackknight@parrot]~/media/blackknight/Backup]
ls
CSE4502_200042121
[blackknight@parrot]~/media/blackknight/Backup]
$
```

### Task 8

```
[blackknight@parrot]~/media/blackknight/Backup/CSE4502_200042121/Lab02]
wc -l notes.txt
2 notes.txt
[blackknight@parrot]~/media/blackknight/Backup/CSE4502_200042121/Lab02]
$
```

### Task 9

```
[blackknight@parrot]~/CSE4502_200042121/Lab02]
grep "linux" *
notes2.txt:There is a linux command list
```

### Task 10

```
[blackknight@parrot]~/CSE4502_200042121]
tar -czvf Lab02_200042121.tar.gz Lab02
Lab02/
Lab02/notes.txt
Lab02/notes2.txt
Lab02/LabHandout.pdf
Lab02/Tasks_Lab_02.docx
[blackknight@parrot]~/CSE4502_200042121]
ls
Lab02 Lab02_200042121.tar.gz Lab2_Archive.tar.gz
[blackknight@parrot]~/CSE4502_200042121]
file Lab2_Archive.tar.gz
Lab2_Archive.tar.gz: gzip compressed data, from Unix, original size modulo 2^32
30720
```

### Task 11

```
[x]~[root@parrot]~/home/blackknight/CSE4502_200042121/Lab02]
#chown root notes.txt
[root@parrot]~/home/blackknight/CSE4502_200042121/Lab02]
ls -la
total 428
drwxr-xr-x 1 blackknight blackknight 100 18 09:23 .
drwxr-xr-x 1 blackknight blackknight 92 18 09:32 ..
-rw-r--r-- 1 blackknight blackknight 408836 18 09:23 LabHandout.pdf
-rw-r--r-- 1 blackknight blackknight 51 18 08:59 notes2.txt
-rw-r--r-- 1 root blackknight 22 18 08:26 notes.txt
-rw-r--r-- 1 blackknight blackknight 17402 18 09:23 Tasks_Lab_02.docx
```

```
-rw-r--r-- 1 blackknight blackknight 17402 আগস্ট 18 09:23 Tasks_Lab_02.docx
[root@parrot]~[/home/blackknight/CSE4502_200042121/Lab02]
[redacted] #chmod u-w notes.txt
[root@parrot]~[/home/blackknight/CSE4502_200042121/Lab02]
[redacted] #chmod o+w notes.txt
[redacted] pressed archive of the entire "Lab02" folder as
[root@parrot]~[/home/blackknight/CSE4502_200042121/Lab02]
[redacted] #ls -l
[redacted] permissions of a file
total 428 You have a file named "notes.txt" in your "Lab02" folder. You want to
-rw-r--r-- 1 blackknight blackknight 408836 আগস্ট 18 09:23 LabHandout.pdf
-rw-r--r-- 1 blackknight blackknight 51 আগস্ট 18 08:59 notes2.txt
-rw-r--r-- 1 root      blackknight 22 আগস্ট 18 08:26 notes.txt
-rw-r--r-- 1 blackknight blackknight 17402 আগস্ট 18 09:23 Tasks_Lab_02.docx
[root@parrot]~[/home/blackknight/CSE4502_200042121/Lab02]
[redacted] #exit
exit
[blackknight@parrot]~[~/CSE4502_200042121/Lab02]
[redacted] $ls -l
total 428
-rw-r--r-- 1 blackknight blackknight 408836 আগস্ট 18 09:23 LabHandout.pdf
-rw-r--r-- 1 blackknight blackknight 51 আগস্ট 18 08:59 notes2.txt
-rw-r--r-- 1 root      blackknight 22 আগস্ট 18 08:26 notes.txt
-rw-r--r-- 1 blackknight blackknight 17402 আগস্ট 18 09:23 Tasks_Lab_02.docx
```