



**Department of Computer Science and Engineering**  
**Islamic University of Technology (IUT)**  
A subsidiary organ of OIC

**Laboratory Report**

CSE 4502: Operating Systems Lab

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<b>Section</b>	<b>:1A</b>
<b>Lab No</b>	<b>:02</b>

### Task 1:

```
nazia@nazia-VirtualBox:~$ cd
nazia@nazia-VirtualBox:~$ mkdir CSE4502_200042137
nazia@nazia-VirtualBox:~$ ls -l
total 48
drwxrwxr-x 2 nazia nazia 4096 আদে 18 09:01 CSE4502_200042137
drwxr-xr-x 2 nazia nazia 4096 আদে 8 23:07 Desktop
drwxr-xr-x 2 nazia nazia 4096 আদে 8 23:07 Documents
drwxr-xr-x 2 nazia nazia 4096 আদে 18 09:00 Downloads
-rw-rw-r-- 1 nazia nazia 25 আদে 9 12:08 hello
drwxr-xr-x 2 nazia nazia 4096 আদে 8 23:07 Music
drwxr-xr-x 3 nazia nazia 4096 আদে 15 22:04 Pictures
drwxr-xr-x 2 nazia nazia 4096 আদে 8 23:07 Public
drwx----- 4 nazia nazia 4096 আদে 17 23:13 snap
-rw-rw-r-- 1 nazia nazia 50 আদে 9 12:25 temp
drwxr-xr-x 2 nazia nazia 4096 আদে 8 23:07 Templates
drwxr-xr-x 2 nazia nazia 4096 আদে 8 23:07 Videos
nazia@nazia-VirtualBox:~$
```

### Task 2:

```
nazia@nazia-VirtualBox: ~/CSE4502_200042137
nazia@nazia-VirtualBox:~$ cd CSE4502_200042137
nazia@nazia-VirtualBox:~/CSE4502_200042137$ mkdir Lab02
nazia@nazia-VirtualBox:~/CSE4502_200042137$ ls -la
total 12
drwxrwxr-x 3 nazia nazia 4096 আদে 18 09:06 .
drwxr-x--- 18 nazia nazia 4096 আদে 18 09:01 ..
drwxrwxr-x 2 nazia nazia 4096 আদে 18 09:06 Lab02
nazia@nazia-VirtualBox:~/CSE4502_200042137$
```

### Task 3:

```
nazia@nazia-VirtualBox: ~/CSE4502_200042137/Lab02
nazia@nazia-VirtualBox:~/CSE4502_200042137$ cd Downloads
bash: cd: Downloads: No such file or directory
nazia@nazia-VirtualBox:~/CSE4502_200042137$ ~
bash: /home/nazia: Is a directory
nazia@nazia-VirtualBox:~/CSE4502_200042137$ cd
nazia@nazia-VirtualBox:~$ cd Downloads
nazia@nazia-VirtualBox:~/Downloads$ cp "Basic Linux Commands.pdf" Tasks_Lab_02.p
df ~/CSE4502_200042137/Lab02
nazia@nazia-VirtualBox:~/Downloads$ cd
nazia@nazia-VirtualBox:~$ cd CSE4502_200042137/Lab_02
bash: cd: CSE4502_200042137/Lab_02: No such file or directory
nazia@nazia-VirtualBox:~$ cd
nazia@nazia-VirtualBox:~$ cd CSE4502_200042137
nazia@nazia-VirtualBox:~/CSE4502_200042137$ cd Lab02
nazia@nazia-VirtualBox:~/CSE4502_200042137/Lab02$ ls -la
total 748
drwxrwxr-x 2 nazia nazia 4096 অস্ট  18 09:11 .
drwxrwxr-x 3 nazia nazia 4096 অস্ট  18 09:06 ..
-rw-rw-r-- 1 nazia nazia 653196 অস্ট  18 09:11 'Basic Linux Commands.pdf'
-rw-rw-r-- 1 nazia nazia 100691 অস্ট  18 09:11 Tasks_Lab_02.pdf
nazia@nazia-VirtualBox:~/CSE4502_200042137/Lab02$
```

```
nazia@nazia-VirtualBox: ~/Downloads
bash: /home/nazia: Is a directory
nazia@nazia-VirtualBox:~/CSE4502_200042137$ cd
nazia@nazia-VirtualBox:~$ cd Downloads
nazia@nazia-VirtualBox:~/Downloads$ cp "Basic Linux Commands.pdf" Tasks_Lab_02.p
df ~/CSE4502_200042137/Lab02
nazia@nazia-VirtualBox:~/Downloads$ cd
nazia@nazia-VirtualBox:~$ cd CSE4502_200042137/Lab_02
bash: cd: CSE4502_200042137/Lab_02: No such file or directory
nazia@nazia-VirtualBox:~$ cd
nazia@nazia-VirtualBox:~$ cd CSE4502_200042137
nazia@nazia-VirtualBox:~/CSE4502_200042137$ cd Lab02
nazia@nazia-VirtualBox:~/CSE4502_200042137/Lab02$ ls -la
total 748
drwxrwxr-x 2 nazia nazia 4096  18 09:11 .
drwxrwxr-x 3 nazia nazia 4096  18 09:06 ..
-rw-rw-r-- 1 nazia nazia 653196  18 09:11 'Basic Linux Commands.pdf'
-rw-rw-r-- 1 nazia nazia 100691  18 09:11 Tasks_Lab_02.pdf
nazia@nazia-VirtualBox:~/CSE4502_200042137/Lab02$ cd Downloads
bash: cd: Downloads: No such file or directory
nazia@nazia-VirtualBox:~/CSE4502_200042137/Lab02$ cd
nazia@nazia-VirtualBox:~$ cd Downloads
nazia@nazia-VirtualBox:~/Downloads$ cp Tasks_Lab_02.docx ~/CSE4502_200042137/Lab
02
nazia@nazia-VirtualBox:~/Downloads$
```

Task4:

```
nazia@nazia-VirtualBox: ~/CSE4502_200042137/Lab02
bash: cd: CSE4502_200042137/Lab_02: No such file or directory
nazia@nazia-VirtualBox:~/Downloads$ cd
nazia@nazia-VirtualBox:~$ cd CSE4502_200042137/Lab_02
bash: cd: CSE4502_200042137/Lab_02: No such file or directory
nazia@nazia-VirtualBox:~$ cd ~/CSE4502_200042137/Lab_02
bash: cd: /home/nazia/CSE4502_200042137/Lab_02: No such file or directory
nazia@nazia-VirtualBox:~$ cd CSE4502_200042137
nazia@nazia-VirtualBox:~/CSE4502_200042137$ cd Lab_02
bash: cd: Lab_02: No such file or directory
nazia@nazia-VirtualBox:~/CSE4502_200042137$ cd Lab02
nazia@nazia-VirtualBox:~/CSE4502_200042137/Lab02$ touch notes.txt
nazia@nazia-VirtualBox:~/CSE4502_200042137/Lab02$ ls -la
total 768
drwxrwxr-x 2 nazia nazia 4096 অস্ট  18 09:20 .
drwxrwxr-x 3 nazia nazia 4096 অস্ট  18 09:06 ..
-rw-rw-r-- 1 nazia nazia 653196 অস্ট  18 09:11 'Basic Linux Commands.pdf'
-rw-rw-r-- 1 nazia nazia 0 অস্ট  18 09:20 notes.txt
-rw-rw-r-- 1 nazia nazia 17402 অস্ট  18 09:16 Tasks_Lab_02.docx
-rw-rw-r-- 1 nazia nazia 100691 অস্ট  18 09:11 Tasks_Lab_02.pdf
nazia@nazia-VirtualBox:~/CSE4502_200042137/Lab02$ echo This is task 4 of Lab02>
>notes.txt
nazia@nazia-VirtualBox:~/CSE4502_200042137/Lab02$ cat notes.txt
This is task 4 of Lab02
nazia@nazia-VirtualBox:~/CSE4502_200042137/Lab02$
```

### Task 5:

```
..... user pops/app/terminal
@nazia@nazia-VirtualBox:~/CSE4502_200042137/Lab02$ cat
notes.txt
This is task 4 of Lab02
nazia@nazia-VirtualBox:~/CSE4502_200042137/Lab02$
```

```
nazia@nazia-VirtualBox: ~/CSE4502_200042137/Lab02
DhZ/!wxdocProps/core.xml (]00M2NKL6k:(M{
-1|<fwU|u9#FTJor5Z8=0W\^dalk+i
-I)ub
    w'ook[qPöoN 9mC3( ' *eh"j :JYooiI:r
jetoRdR"GsXXb(Xk:ot^eyLv1*x
qqvjeIš
%I4e4s4+[ *+z_ P!docProps/app.xml (SMo
                                to/]R
                                =lkYD,
47ad++xH0 'Îف@.d'9$ö|&JQEZ(gBcF+/FG
T2V[T1E68Fb-u@&7!@0>F~|mIE!zLC(kNeeZ2wq[
4]| }{vJgeen}QPPzxMs1xet>VGb0,44q(#!
;@s  'i&S%pe K?PK!2oWf[Content_Types].xmlPK!N
                                _rels
/.relsPK!
    Vword/document.xmlPK!word/_rels/document.xml.relsPK!g w
ord/theme/theme1.xmlPK!
$word/settings.xmlPK!A3A!word/numbering.xmlPK!Y
                                @
                                3(word/styles.xmlPK!`2
6word/webSettings.xmlPK!d"Qz9word/fontTable.xmlPK!wx ;docProps/core.xmlPK
!docProps/app.xmlPK

@nazia@nazia-VirtualBox:~/CSE4502_200042137/Lab02$
```

Task 6:

```
nazia@nazia-VirtualBox: ~/CSE4502_200042137/Lab02
nazia@nazia-VirtualBox:~/CSE4502_200042137/Lab02$ ls | grep *.txt
notes.txt
nazia@nazia-VirtualBox:~/CSE4502_200042137/Lab02$
```

Task 7:

```
nazia@nazia-VirtualBox:~/CSE4502_200042137/Lab02$ cd
nazia@nazia-VirtualBox:~$ mkdir media
nazia@nazia-VirtualBox:~$ cd media
```

```
nazia@nazia-VirtualBox: ~
nazia@nazia-VirtualBox:~$ cd media
nazia@nazia-VirtualBox:~/media$ mkdir user
nazia@nazia-VirtualBox:~/media$ cd user
nazia@nazia-VirtualBox:~/media/user$ mkdir Backup
nazia@nazia-VirtualBox:~/media/user$ cd
nazia@nazia-VirtualBox:~$ cp -rp ~/CSE4502_200042137* /media/user/Backup/
cp: cannot create directory '/media/user/Backup/': No such file or directory
nazia@nazia-VirtualBox:~$ cp -rp ~/CSE4502_200042137* /media/user/Backup/
cp: cannot create directory '/media/user/Backup/': No such file or directory
nazia@nazia-VirtualBox:~$ cp -rp ~/CSE4502_200042137/ ~/media/user/Backup/
nazia@nazia-VirtualBox:~$
```

#### Task 08:

```
nazia@nazia-VirtualBox:~$ cp -rp ~/CSE4502_200042137/ ~/media/user/Backup/
nazia@nazia-VirtualBox:~$ cd CSE4502_200042137/Lab02
nazia@nazia-VirtualBox:~/CSE4502_200042137/Lab02$ wc -l notes.txt
1 notes.txt
nazia@nazia-VirtualBox:~/CSE4502_200042137/Lab02$
```

#### Task 9:

```
nazia@nazia-VirtualBox: ~
nazia@nazia-VirtualBox:~$ locate -i linux
```



```
nazia@nazia-VirtualBox: ~  
/var/lib/dpkg/info/linux-modules-extra-6.2.0-26-generic.md5sums  
/var/lib/dpkg/info/linux-modules-extra-6.2.0-26-generic.postinst  
/var/lib/dpkg/info/linux-modules-extra-6.2.0-26-generic.postrm  
/var/lib/dpkg/info/linux-sound-base.config  
/var/lib/dpkg/info/linux-sound-base.list  
/var/lib/dpkg/info/linux-sound-base.md5sums  
/var/lib/dpkg/info/linux-sound-base.postinst  
/var/lib/dpkg/info/linux-sound-base.postrm  
/var/lib/dpkg/info/linux-sound-base.templates  
/var/lib/dpkg/info/pptp-linux.conffiles  
/var/lib/dpkg/info/pptp-linux.list  
/var/lib/dpkg/info/pptp-linux.md5sums  
/var/lib/dpkg/info/util-linux.conffiles  
/var/lib/dpkg/info/util-linux.list  
/var/lib/dpkg/info/util-linux.md5sums  
/var/lib/dpkg/info/util-linux.postinst  
/var/lib/dpkg/info/util-linux.postrm  
/var/lib/dpkg/info/util-linux.preinst  
/var/lib/dpkg/info/util-linux.prerm  
/var/lib/dpkg/triggers/linux-update-5.19.0-32-generic  
/var/lib/dpkg/triggers/linux-update-6.2.0-26-generic  
/var/lib/swcatalog/icons/ubuntu-jammy-multiverse/64x64/playonlinux_playonlinux.p  
ng  
/var/lib/swcatalog/icons/ubuntu-jammy-universe/48x48/linuxaudio-new-session-mana
```

#### Task 10:

```
nazia@nazia-VirtualBox: ~  
nazia@nazia-VirtualBox:~$ tar -cvf Lab02.tar.gz ~/CSE4502/Lab02  
tar: Removing leading '/' from member names  
tar: /home/nazia/CSE4502/Lab02: Cannot stat: No such file or directory  
tar: Exiting with failure status due to previous errors  
nazia@nazia-VirtualBox:~$ tar -cvf Lab02.tar.gz ~/CSE4502_200042137/Lab02  
tar: Removing leading '/' from member names  
/home/nazia/CSE4502_200042137/Lab02/  
/home/nazia/CSE4502_200042137/Lab02/Basic Linux Commands.pdf  
/home/nazia/CSE4502_200042137/Lab02/Tasks_Lab_02.pdf  
/home/nazia/CSE4502_200042137/Lab02/notes.txt  
/home/nazia/CSE4502_200042137/Lab02/Tasks_Lab_02.docx  
nazia@nazia-VirtualBox:~$
```



### Task 11:

```
nazia@nazia-VirtualBox:~$ cd ~/CSE4502_200042137/Lab02
nazia@nazia-VirtualBox:~/CSE4502_200042137/Lab02$ chmod 644 notes.txt
nazia@nazia-VirtualBox:~/CSE4502_200042137/Lab02$ ls -la
total 772
drwxrwxr-x 2 nazia nazia 4096 2018 09:20 .
drwxrwxr-x 3 nazia nazia 4096 2018 09:06 ..
-rw-rw-r-- 1 nazia nazia 653196 2018 09:11 'Basic Linux Commands.pdf'
-rw-r--r-- 1 nazia nazia 24 2018 09:21 notes.txt
-rw-rw-r-- 1 nazia nazia 17402 2018 09:16 Tasks_Lab_02.docx
-rw-rw-r-- 1 nazia nazia 100691 2018 09:11 Tasks_Lab_02.pdf
nazia@nazia-VirtualBox:~/CSE4502_200042137/Lab02$
```