

**CSE321 Lab-1**

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Section: 4

**Task1:**

mahmudul@Dell:~$ sudo su -

[sudo] password for mahmudul:

root@Dell:~# cat > key1.txt

^Z

[1]+ Stopped cat > key1.txt

root@Dell:~# cat > key2.txt

^Z

[2]+ Stopped cat > key2.txt

root@Dell:~# cat > key3.txt

^Z

[3]+ Stopped cat > key3.txt

root@Dell:~# mkdir Box1

root@Dell:~# mkdir Box2

root@Dell:~# mkdir Box3

root@Dell:~# cp key1.txt Box1

root@Dell:~# cp key2.txt Box1

root@Dell:~# mv key3.txt Box2

root@Dell:~# rsync -a Box1 Box3

root@Dell:~# cd Box3

root@Dell:~/Box3# cd Box1

root@Dell:~/Box3/Box1# chmod u=rx key1.txt

root@Dell:~/Box3/Box1# chmod g=rx key1.txt

root@Dell:~/Box3/Box1# chmod u=rx key2.txt

root@Dell:~/Box3/Box1# chmod g=rx key2.txt

root@Dell:~/Box3/Box1# cd -

/root/Box3

root@Dell:~/Box3# pwd

/root/Box3

root@Dell:~/Box3# ls -a

. .. Box1

root@Dell:~/Box3# cd /

root@Dell:/#

root@Dell:/# rm -r Box3

root@Dell:/# rm -r Box1

root@Dell:/# rm -r Box2

root@Dell:/# rm key3.txt

**Task2:**

mahmudul@Dell:~$ grep -wi -c "Hello" hello.txt

**Task3:**

The major difference between a hard link and soft link is that hard link direct reference the file and soft link indicates a file by file name.

**Task4:**

mahmudul@Dell:~$ cat > firstone.txt

^Z

[2]+ Stopped cat > firstone.txt

mahmudul@Dell:~$ cat > second.txt

^Z

[3]+ Stopped cat > second.txt

mahmudul@Dell:~$ mv firstone.txt second.txt

**Task5:**

mahmudul@Dell:~$ mkdir Lab1

mahmudul@Dell:~$ cd Lab1

mahmudul@Dell:~/Lab1$ cat > .a.txt

^Z

[1]+ Stopped cat > .a.txt

mahmudul@Dell:~/Lab1$ cat > .b.txt

^Z

[2]+ Stopped cat > .b.txt

mahmudul@Dell:~/Lab1$ ls -a

. .. .a.txt .b.txt

mahmudul@Dell:~/Lab1$

**Task6:**

mahmudul@Dell:~$ sed -n 15,21p a.txt