**CSE 321 Lab Assignment 01**

**1.**

sudo su

touch key1.txt

touch key2.txt

touch key3.txt

mkdir Box1

mkdir Box2

cp key1.txt Box1

cp key2.txt Box1

mv key3.txt Box2

mkdir Box3

cp -r Box1 Box3

cd Box3

ls -l

chmod ug=rx Box1

cd ..

pwd

ls -a

mv Box3 /root

rm -r \*

**2.** grep -c hello hello.txt

**3. Hard Link :**

A hard link creates a mirror image of the specified file. It makes use of the information in the original file. If the previously selected file is removed, the data in the hard link to that file will remain. On the other side,a soft link is a reference to the file name that works as a pointer. It does not have access to the data in the original file. The soft link will lead to a file that no longer exists if the previous file is destroyed.

**4.** touch firstone.txt

ln firstone.txt second.txt

**5.** ls -a

**6.** head -21 firstone.txt | tail -7