

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.

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 firststone.txt | tail -7`