

AnsToQ.No (1)

```
sudo -i
mkdir Lab01
cd Lab01
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
cd Box1
ls -l
chmod 550 key1.txt
chmod 550 key2.txt
cd ..
cd ..
pwd
ls
mv Box3 ..
rm -r Box1 -r Box2 key1.txt key2.txt
```

AnsToQ.No (2)

```
cat > hello.txt
hello world
world hello
this line should not be counted
here hello is present
here it is not present
i said hello already
now i am saying goodbye^Z

grep -c Hello hello.txt
```

AnsToQ.No (3)

```
cat > difference.txt
```

Soft links create shortcut and the icode is also different for the main file and shortcut file. In soft link, only the path is copied but the contents are not copied.

But in hard link, the icode is same. The contents are copied too. As the icode are same, when there is a change in a file, the other file also gets the same change.

```
^Z
```

AnsToQ.No (4)

```
cat > firstone.txt
```

```
this is a file
```

```
^Z
```

```
link firstone.txt second.txt
```

AnsToQ.No (5)

```
ls -d .*?
```

AnsToQ.No (6)

```
head -21 manylines.txt | tail -7
```