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**Section:** 8

**Assignment:** Lab1

**Task-1:**

cat > key1.txt

cat > key2.txt

cat > 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 -R ug=rx

cd ..

pwd

ls -R

mv Box3 ..

rm /\*

**Task-2:**

grep -c Hello hello.txt

**Task-3:**

A soft link is a shortcut link of the original file. On the other hand, a hard link is a copy of the original file. If you delete the original file, the soft link has no value, but the hard link will still exist and will have the data of the original file. Also the soft link has different inode number and file permissions than the original file, but has the same inode number and permissions of the original file. If you delete the original file you can still view it’s content from the hard link but the same feature is not available in the soft link.

**Task-4:**

touch firstone.txt

ln firstone.txt second.txt

**Task-5:**

ls -d .?\*

**Task-6:**

awk 'FNR>=15 && FNR<=21' lab1.txt