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#!/bin/bash

echo "creating file Garbage"
echo "**** garbage ****" > Garbage

echo "creating Aux_Dir"
mkdir Aux\_Dir

echo "moving Garbage to Aux_Dir"
mv Garbage Aux\_Dir

echo "listing of Aux_Dir"
ls Aux\_Dir

echo "displaying Garbage"
cat Aux\_Dir/Garbage

x=`ls -la | grep Aux\_Dir`
echo "original permissions of Aux_Dir:" ${x:0:10}

echo "change it to d---rwxrwx"
chmod a+rwx Aux\_Dir
chmod u-rwx Aux\_Dir
x=`ls -la | grep Aux\_Dir`
echo "new permissions of Aux_Dir:" ${x:0:10}

echo "change it to drwxr--r--"
chmod a+rwx Aux\_Dir
chmod og-wx Aux\_Dir
x=`ls -la | grep Aux\_Dir`
echo "new permissions of Aux_Dir:" ${x:0:10}

echo "change it to drwx--x--x"
chmod a-rwx Aux\_Dir
chmod u+rw Aux\_Dir
chmod a+x Aux\_Dir
x=`ls -la | grep Aux\_Dir`
echo "new permissions of Aux_Dir:" ${x:0:10}

echo "trying to remove Aux_Dir by rm"
rm Aux\_Dir
echo "trying to remove Aux_Dir by rmdir"
rmdir Aux\_Dir
echo "trying to remove Aux_Dir by rm -r"
rm -r Aux\_Dir
```