$cat recycle

#!/bin/bash

if [ $# -eq 0 ]

then

echo "No File Name provided"

exit 1

fi

bname=$(basename $1)

function mvtobin(){

mv $1 ~/recyclebin/$2

}

function cptohidfile(){

touch ~/.restore.info

p=$(find ~ -type f -name $bname|grep -w $bname)

echo $1":"$p >> $HOME/.restore.info

}

if [ $# -eq 0 ]

then

echo "No File Name provided"

exit 1

elif [ -f $1 ]

then

if [ $bname = recycle ]

then

echo "Attempting to delete recycle -operation aborted"

exit 1

fi

if [ -d $HOME/recyclebin ]

then

inod=$(ls -i $1 | cut -d" " -f1)

newfilename=$bname"\_"$inod

p=$(find -type f -name $bname)

cptohidfile $newfilename

mvtobin $1 $newfilename

else

echo "no such directory named recyclebin creating one"

mkdir $HOME/recyclebin

inod=$(ls -i $1 | cut -d" " -f1)

newfilename=$bname"\_"$inod

fpath=$(find ~ -type f -name $bname)

cptohidfile $newfilename

mvtobin $1 $newfilename

fi

elif [ -d $1 ]

then

echo "$1 is a directory cannot move to bin "

exit 1

else

echo "no such file or directory exists"

exit 1

fi

------- recycle first one.

[sri.ede@unix ~/project]$cat recycle4

#!/bin/bash

function optFunc() {

add=false

subtract=false

multiply=false

divide=false

while getopts :asmd opt

do

case $opt in

a) add=true;;

s) subtract=true;;

m) multiply=true;;

d) divide=true;;

\*) echo Bad Option - $OPTARG

exit 1;;

esac

done

}

function mathFunc() {

if $add

then

for i in $\*

do

sum=$[$i + $((i+1))]

echo $sum

done

fi

if $subtract

then difference=$[$1 - $2]

echo $1 - $2 = $difference

fi

if $multiply

then product=$[$1 \* $2]

echo "$1 \* $2 = $product"

fi

if $divide

then quotient=$(echo "scale=2; $1/$2" | bc)

echo $1 / $2 = $quotient

fi

}

optFunc $\*

shift $[OPTIND-1]

mathFunc $\*

--using optind function.