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#!/bin/bash

if [ -e ~/TRASH ] # check if file TRASH exists
then
    #Do_Nothing
    echo
else
    mkdir ~/TRASH #make
    TRASH directory
    chmod 777 ~/TRASH
    (crontab -l 2>/dev/null; echo "*/30 * * * * sdel.sh") | crontab - #crontab
    run this script every 30minutes
fi

find ~/TRASH -type f -mtime +1.9583333333333333 -exec rm -f {} \; #remove
files older than 48hrs

if [ "$1" == "-h" ] #type -h
then
    echo
    echo "NAME"
    echo "      sdel.sh - Safe Delete Application"
    echo
    echo "SYNOPSIS"
    echo "      sdel.sh [file/files/directory/directories]..."
    echo
    echo "DESCRIPTION"
    echo "      Compress and zip files and directories to ~/TRASH folder (48
hours) lifetime."
    echo
    echo "AUTHOR"
    echo "      Developed by: Ahmed Zoher (ahmed.o.zoher@gmail.com)"
    echo
else
    while [ -n "$1" ] #get all
options (files/directories)
do
    file $1 | grep 'compressed' > /dev/null #check if
is compressed
    if [ $? == 0 ]
    then
        if [ -d $1 ] #check if
directory then compress files and zipp directories recursively
        then
            gzip -r $1
            find . -mindepth 1 -maxdepth 4 -type d | xargs -I {}
tar -cf {}.tar {}

            rm $1.tar
            tar cf ~/TRASH/$1.tar $1
        else
            tar cf ~/TRASH/$1.tar.gz $1
        fi
    else
        if [ -d $1 ]
        then
            gzip -r $1
            find . -mindepth 1 -maxdepth 4 -type d | xargs -I {}
tar -czf {}.tar.gz {}

            rm $1.tar.gz
            tar czf ~/TRASH/$1.tar.gz $1
        else

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fi
done
fi
shift
fi
tar czf ~/TRASH/$1.tar.gz $1
fi
```