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#!/bin/bash
optionstr="Usage: ./phonebook.sh [OPTION] [NAME] [NUMBER]\n\n\n -i:\tInsert new
contact name and number\n -v:\tView all saved contacts details\n -s:\tSearch
by contact name\n -e:\tDelete all records\n -d:\tDelete only one contact name"
filename="/etc/phonebook/phonebook.txt"
backupfile="/etc/phonebook/phonebook.bak"
if [ "$1" == "" ]
then
    echo -e $optionstr
    exit 1
fi
if [ -f $filename ]
then
    echo "Database found..."
else
    echo "Database not found..."
    echo "Creating database..."
    sudo touch $filename
fi
case $1 in
-v)
    sudo cat $filename;;
-e)
    sudo rm $filename;;
-d)
    if [ "$2" == "" ]
    then
        echo "Usage: ./phonebook.sh -s [NAME]"
        exit 2
    fi
    name="${@:2}"
    sudo cp $filename $backupfile
    delCom=`awk "/$name/ && !f{f=1; next} 1" $filename`
    sudo echo "$delCom" > $filename

;;
-s)
    if [ "$2" == "" ]
    then
        echo "Usage: ./phonebook.sh -s [NAME]"
        exit 2
    fi
    name="${@:2}"
    echo $name
    regexline=`grep -Po "^$name(\s?[a-zA-Z])*\s\d+" $filename`
    sudo echo $regexline
;;
-i)
    nameregex="[a-zA-Z]{2,}"
    numberregex="^[0-9]+$"
    fullname=""
    numbers=""
    if [ $# -lt 3 ]
    then
        echo "Usage: ./phonebook.sh -i [NAME] [PHONENUMBER]..."
        exit 2
    fi
    for arg in "$@"
    do
        #echo $arg
        if [[ $arg =~ $nameregex ]]
        then
            fullname=$fullname$arg " "
        elif [[ $arg =~ $numberregex ]]

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        then
            numbers=$numbers$arg" "
        fi
    done
    echo -e "Name: "$fullname"\nNumbers: "$numbers
    sudo echo $fullname $numbers >> $filename
    sudo cp $filename $backupfile
;;
*) echo -e "Option not recognized\n"$optionstr;;
esac
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