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#!/bin/bash

#If no script is run without options
if [ $# -eq 0 ]; then
    echo ""
    echo "bash phonebook.py OPTION [NAME][NUMBERS]"
    echo "A program to add, delete, view your contacts."
    echo ""
    echo "Options:"
    echo "    -i      Insert new contact."
    echo "            Write contact data separated by a space : bash
phonebook.py -i NAME NUM1 NUM2"
    echo ""
    echo "    -v      View all saved contacts."
    echo ""
    echo "    -s      Search by contact name."
    echo "            if name is more than 1 word use double-quotes.
eg: \"First_Name Last_Name\"."
    echo "            WARNING: Search is case sensitive, but will return
every contact containing the search name."
    echo ""
    echo "    -e      Delete all records."
    echo ""
    echo "    -d      Delete only one contact name."
    echo "            if name is more than 1 word use double-quotes.
eg: \"First_Name Last_Name\"."
    echo "            WARNING: Delete is case sensitive, and may delete more
than 1 contact if they're EXACTLY the same."
    exit 0
fi

#if script is run with options

if [ $1 == -i ]; then
    echo "Inserting new contact . . ."
    if [ $# -lt 3 ]; then
        echo "Not enough inputs for -i. Run script with no options for
help."
        exit 1
    else
        echo "$* | cut -d ' ' -f 2- >> phonebook.bash"
        echo "Inserted successfully!"
    fi
elif [ $1 == -v ]; then
    echo "Viewing contacts . . ."
    lineNum=`grep -n 'PhoneData' phonebook.bash | cut -d: -f1 | tail -1`
    lineNum=$((lineNum+1))
    cat phonebook.bash | awk 'BEGIN{start=0} {if(NR=="$lineNum") start=1}
{if(start==1) print $0}' | less
elif [ $1 == -s ]; then
    echo "Searching . . ."
    if [ $# -lt 2 ]; then
        echo "Not enough inputs for -s. Run script with no options for
help."
        exit 1
    else
        grep "$2" phonebook.bash
    fi
elif [ $1 == -e ]; then
    echo "Deleting All Contacts . . ."
    lineNum=`grep -n 'PhoneData' phonebook.bash | cut -d: -f1 | tail -1`
    lineNum=$((lineNum+2))
    sed -i "$lineNum,$ d" phonebook.bash
    echo "" >> phonebook.bash

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        echo "Deleted successfully!"
    elif [ $1 == -d ]; then
        echo "Deleting One Contact . . ."
        if [ $# -lt 2 ]; then
            echo "Not enough inputs for -d. Run script with no options for
help."
            exit 1
        else
            sed -i "/^$2 [[:digit:]]/ d" phonebook.bash
            echo "Deleted successfully!"
        fi
    else
        echo "That's not an available option. Run script with no options for
help."
        exit 1
    fi
fi

exit 0

```

#(Program never reaches here because of exit command)

PhoneData

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Panda 0100996554
Panda Panda 0110996554
Turtle Panda 013435454
Panda Turtle 013434344
panda Panda 1880875 34355454
Dolphin 0124665656

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