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#!/bin/bash

cd /etc

if [ ! -f phonebookDB.txt ]
then
    echo "You don't have a database, lets create one for you"
    sudo touch phonebookDB.txt
else
    echo "The file exist and here are the contacts logged in it"
    echo
    sudo cat phonebookDB.txt
    echo
fi

case $1 in

"-i")
    read -p "Please enter the name: " name
    read -p "please enter the telephone number: " tel_number
    re='^[0-9]+$'
    if ! [[ $tel_number =~ $re ]] ; then
        echo "error: you didn't enter a number";
    else
        echo "$name-$tel_number" | sudo tee -a phonebookDB.txt 1>/dev/null
    fi;;

"-v")
    echo "Here are all the contacts in the phonebook: "
    echo
    sudo cat phonebookDB.txt
    echo;;

"-s")
    echo "Please enter the contact name you want to search for: "
    read contact_name
    sudo grep "${contact_name}" phonebookDB.txt;;

"-e")
    echo "you are deleting all the contacts now"
    sudo sed -i "$!d" "phonebookDB.txt"
    sudo sed -i "$d" "phonebookDB.txt";;

"-d")
    read -p "Enter the contact name to be deleted: " delete_name
    sudo grep -n $delete_name phonebookDB.txt

    read -p "Please the number assigned to the contact name to delete: " num
    sudo sed -i "$num d" "phonebookDB.txt" ;;

*)
    echo "you didn't enter a correct argument"
esac

```