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#!/bin/bash

if ! test -f db.txt
then
    touch db.txt
fi

flag="1"
if [ $1 = "" ]
then
    echo "please enter option : -i , -v, -s , -e , -d "
    flag="2"

else
    while [ $flag = 1 ]
    do
        case $1 in

            -i)      #insert option

                read -p "enter contact name:  " name
                old_contact=`grep "^$name" db.txt`
                if grep "^$name" db.txt
                then
                    echo "already exist ..."
                    read -p "Do you want to add another number for this name ? enter Y/N ..." n
                    if [ $n = Y ]
                    then
                        read -p "enter contact number:  " number
                        line_number=`grep -n "^$name" db.txt | awk -F: '{print $1}' | sort -u`
                        line_number="${line_number: -1}"
                        sed -i "${line_number}d" db.txt
                        echo $old_contact $number >> db.txt
                    fi
                else
                    read -p "enter contact number:  " number
                    echo $name $number >> db.txt
                fi
            ;;

            -v)      #view option

                cat db.txt;;

            -s)      #search option

                read -p "enter contact name to search:  " name
                if ! grep "^$name" db.txt
                then
                    echo "not exist"
                fi
            ;;

            -e)      #delete all - option

                echo -n "" > db.txt;;

            -d)      #delete option

                read -p "enter contact name to delete:  " name
                if ! grep "^$name" db.txt
                then
                    echo "not exist"
                else
                    line_number=`grep -n "^$name" db.txt | awk -F: '{print $1}' | sort -u`
                    line_number="${line_number: -1}"
                    #echo $line_number
                    sed -i "${line_number}d" db.txt
                fi
            ;;

        esac

        read -p "enter c if you want to close prog:  " n

        if [ $n = c ]
        then
            flag="2"
        fi
    done
fi
```