//Write a program to implement an address book with options given below: a) Create address book. b) View address book. c) Insert a record. d) Delete a record. e) Modify a record. f) Exit

#!/bin/bash

while [[ $ch -lt 7 ]];

do

echo 1.Create

echo 2.insert

echo 3.display

echo 4.delete

echo 5.modify

echo 6.search

echo 7.exit

echo enter your choice:

read ch

case $ch in

1)

echo "Enter the address book name"

# check the address book is their or not in current working directory

read fname

res='ls | grep $fname | wc -w'

if [[ -f "$fname" ]]

then

echo "Error: file is already existing!"

else

touch "$fname"

echo "address book created!"

fi

;;

#Insert data into address book

2)

if [ "$ch" == "2" ]

then

echo "enter name of database where data to be Inserted:"

read fname

echo enter the name:

read name

echo enter email\_id

read email

echo enter the pincode:

read pin

echo enter the housenumber:

read hno

echo $name $email $pin $hno >> $fname

echo data inserted in given file

fi

;;

#Display data in database

3)

if [ "$ch" == "3" ]

then

echo "enter name of database from where data to be display:"

read db

cat $db

fi

;;

#Delete data from database

4)

echo enter the email to be deleted

read email

if grep $email $fname

then

grep -v $email $fname >> temp

rm $fname

mv temp $fname

echo Record deleted

fi

;;

5)

if [ "$ch" == "5" ]

then

echo "enter name of database:"

read db

echo "enter name:"

read name

echo "enter line u want to modify:"

read linenumber

for line in `grep -n "$name" "$db"`

do

number=`echo "$line" | cut -c1`

if [ "$number" == "$linenumber" ]

then

echo "what would u like to change"

echo "\"name,email,pin,hno\""

read edit

linechange="${linenumber}s"

sed -i -e "$linechange/.\*/$edit/" $db

echo record edited

fi

done

fi

;;

#Search data from database

6)

if [ "$ch" == "6" ]

then

echo "enter name of database from where to search:"

read db

echo "enter email to be search:"

read em1

grep $em1 $db

echo "record found"

else

echo "not found"

fi

;;

#Exit

7)

echo exit

;;

\*)

echo you have inserted wrong choice

;;

esac

done