#!/bin/bash

ADDRESS\_BOOK="address\_book.txt"

# Function to create the address book file

create\_address\_book() {

if [ ! -f $ADDRESS\_BOOK ]; then

touch $ADDRESS\_BOOK

echo "Address book created."

else

echo "Address book already exists."

fi

}

# Function to view the address book

view\_address\_book() {

if [ -s $ADDRESS\_BOOK ]; then

cat $ADDRESS\_BOOK

else

echo "Address book is empty."

fi

}

# Function to insert a new record

insert\_record() {

echo "Enter Name:"

read name

echo "Enter Phone Number:"

read phone

echo "Enter Email:"

read email

echo "$name, $phone, $email" >> $ADDRESS\_BOOK

echo "Record added."

}

# Function to delete a record

delete\_record() {

echo "Enter the name of the record to delete:"

read del\_name

grep -v "^$del\_name," $ADDRESS\_BOOK > temp.txt && mv temp.txt $ADDRESS\_BOOK

echo "Record deleted (if it existed)."

}

# Function to modify a record

modify\_record() {

echo "Enter the name of the record to modify:"

read mod\_name

delete\_record $mod\_name

echo "Enter new details."

insert\_record

echo "Record modified."

}

# Menu loop

while true

do

echo "Address Book Menu:"

echo "1. Create Address Book"

echo "2. View Address Book"

echo "3. Insert a Record"

echo "4. Delete a Record"

echo "5. Modify a Record"

echo "6. Exit"

echo "Enter your choice:"

read choice

case $choice in

1) create\_address\_book ;;

2) view\_address\_book ;;

3) insert\_record ;;

4) delete\_record ;;

5) modify\_record ;;

6) echo "Exiting."; break ;;

\*) echo "Invalid option. Please choose again." ;;

esac

done