import java.util.ArrayList;

import java.util.Scanner;

public class ContactManager {

public static void main(String[] args) {

ArrayList<String> contacts = new ArrayList<>();

Scanner sc = new Scanner(System.in);

while (true) {

System.out.println("\n1. Add Contact");

System.out.println("2. View Contacts");

System.out.println("3. Update Contact");

System.out.println("4. Delete Contact");

System.out.print("Enter your choice: ");

int choice = sc.nextInt();

sc.nextLine(); // Clear input buffer

switch (choice) {

case 1:

System.out.print("Enter name: ");

String name = sc.nextLine();

System.out.print("Enter phone number: ");

String phone = sc.nextLine();

String contact = name + " - " + phone;

contacts.add(contact);

System.out.println("Contact added.");

break;

case 2:

if (contacts.isEmpty()) {

System.out.println("No contacts found.");

} else {

System.out.println("Contact List:");

for (int i = 0; i < contacts.size(); i++) {

System.out.println((i + 1) + ". " + contacts.get(i));

}

}

break;

case 3:

System.out.print("Enter contact number to update: ");

int upIndex = sc.nextInt() - 1;

sc.nextLine(); // Clear buffer

if (upIndex >= 0 && upIndex < contacts.size()) {

System.out.print("Enter new name: ");

String newName = sc.nextLine();

System.out.print("Enter new phone number: ");

String newPhone = sc.nextLine();

String newContact = newName + " - " + newPhone;

contacts.set(upIndex, newContact);

System.out.println("Contact updated.");

} else {

System.out.println("Invalid contact number.");

}

break;

case 4:

System.out.print("Enter contact number to delete: ");

int delIndex = sc.nextInt() - 1;

if (delIndex >= 0 && delIndex < contacts.size()) {

contacts.remove(delIndex);

System.out.println("Contact deleted.");

} else {

System.out.println("Invalid contact number.");

}

break;

default:

System.out.println("Invalid option. Try again.");

}

}



