import java.util.\*;

public class cont {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

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

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

int choice;

do {

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

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

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

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

System.out.println("5. Delete Contact");

System.out.println("6. Exit");

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

choice = sc.nextInt();

sc.nextLine();

if (choice == 1) {

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

String name = sc.nextLine();

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

String phone = sc.nextLine();

names.add(name);

phones.add(phone);

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

} else if (choice == 2) {

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

System.out.println((i + 1) + ". " + names.get(i) + " - " + phones.get(i));

}

} else if (choice == 3) {

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

String search = sc.nextLine();

boolean found = false;

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

if (names.get(i).equalsIgnoreCase(search)) {

System.out.println("Found: " + names.get(i) + " - " + phones.get(i));

found = true;

}

}

if (!found) {

System.out.println("Contact not found.");

}

} else if (choice == 4) {

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

String update = sc.nextLine();

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

if (names.get(i).equalsIgnoreCase(update)) {

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

phones.set(i, sc.nextLine());

System.out.println("Updated successfully.");

}

}

} else if (choice == 5) {

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

String delete = sc.nextLine();

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

if (names.get(i).equalsIgnoreCase(delete)) {

names.remove(i);

phones.remove(i);

System.out.println("Deleted successfully.");

break;

}

}

} else if (choice == 6) {

System.out.println("Exiting...");

} else {

System.out.println("Invalid choice.");

}

} while (choice != 6);

}

}





