import java.util.HashMap;

import java.util.Map;

import java.util.Scanner;

public class ContactManagementSystem{

private static Map<String,String>Contacts=new HashMap<>();

private static Scanner Scanner=new Scanner(System.in);

public static void main(String[]args) {

boolean exit=false;

while(!exit) {

System.out.println("1.Add contact");

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

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

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

System.out.println("5.Exit");

System.out.println("Enter your Choice:");

int choice=Scanner.nextInt();

Scanner.nextLine();

switch(choice) {

case 1:

AddContact();

break;

case 2:

ViewContact();

break;

case 3:

UpdateContact();

break;

case 4:

DeleteContact();

break;

case 5:

exit=true;

System.out.println("exiting");

break;

default:

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

}

}

}

private static void AddContact() {

System.out.println("Name:");

String Name=Scanner.nextLine();

System.out.println("PhoneNumber:");

String PhoneNumber=Scanner.nextLine();

Contacts.put(Name,PhoneNumber);

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

}

private static void ViewContact() {

if (Contacts.isEmpty()) {

System.out.println("No Contacts Available");

return;

}

System.out.println("Contacts:");

for(Map.Entry<String,String>entry:Contacts.entrySet()) {

System.out.println("Name:"+entry.getKey()+",phoneNumer:"+entry.getValue());

}

}

private static void UpdateContact() {

System.out.println("Enter Name to Update");

String Name=Scanner.nextLine();

if(!Contacts.containsKey(Name)) {

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

return;

}

System.out.println("Enter new PhoneNumber");

String NewPhoneNumber=Scanner.nextLine();

Contacts.put(Name,NewPhoneNumber);

System.out.println("Contact Added Successfully");

}

private static void DeleteContact() {

System.out.println("Enter Name to Delete:");

String Name=Scanner.nextLine();

if(!Contacts.containsKey(Name)) {

System.out.println("Contact Not found!");

return;

}

Contacts.remove(Name);

System.out.println("Contacts deleted Succesfully");

}

}