Ex:2

import java.util.ArrayList;

import java.util.Scanner;

public class ContactManagerSimple {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

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

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.println("5. Exit");

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

int choice = sc.nextInt();

sc.nextLine();

if (choice == 1) {

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

String name = sc.nextLine();

contacts.add(name);

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

}

else if (choice == 2) {

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

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

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

}

}

else if (choice == 3) {

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

String oldName = sc.nextLine();

if (contacts.contains(oldName)) {

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

String newName = sc.nextLine();

int index = contacts.indexOf(oldName);

contacts.set(index, newName);

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

} else {

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

}

}

else if (choice == 4) {

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

String nameToDelete = sc.nextLine();

if (contacts.remove(nameToDelete)) {

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

} else {

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

}

}

else if (choice == 5) {

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

break;

}

else {

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

}

}

sc.close();

}

}

OUTPUT:

1. Add Contact

2. View Contacts

3. Update Contact

4. Delete Contact

5. Exit

Enter choice: 1

Enter name to add: Aswini

Contact added.

1. Add Contact

2. View Contacts

3. Update Contact

4. Delete Contact

5. Exit

Enter choice: 1

Enter name to add: Aswantheya

Contact added.

1. Add Contact

2. View Contacts

3. Update Contact

4. Delete Contact

5. Exit

Enter choice: 2

Contact List:

1. Aswini

2. Aswantheya

1. Add Contact

2. View Contacts

3. Update Contact

4. Delete Contact

5. Exit

Enter choice: 3

Enter existing name to update: Aswini

Contact not found.

1. Add Contact

2. View Contacts

3. Update Contact

4. Delete Contact

5. Exit

Enter choice: 4

Enter name to delete: Aswini

Contact not found.

1. Add Contact

2. View Contacts

3. Update Contact

4. Delete Contact

5. Exit

Enter choice: 5

Exit..