package input\_LinkedList;

import java.util.LinkedList;

import java.util.Scanner;

public class CRUD\_LINKEDLIST {

public static void main(String[] args) {

Scanner s = new Scanner(System.in);

LinkedList<String> Data = new LinkedList<>();

while (true) {

System.out.println("\nOptions:");

System.out.println("1. Create");

System.out.println("2. Update");

System.out.println("3. Delete");

System.out.println("4. Display LinkedList");

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

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

int choice = s.nextInt();

switch (choice) {

case 1:

System.out.print("Enter the data to create: ");

String newData = s.next();

int index = Data.size();

Data.add(index, newData);

System.out.println("Data created successfully at index " + index);

break;

case 2:

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

int updateIndex = s.nextInt();

if (updateIndex >= 0 && updateIndex < Data.size()) {

System.out.print("Enter the new data: ");

String updatedData = s.next();

Data.set(updateIndex, updatedData);

System.out.println("Data updated successfully.");

} else {

System.out.println("Invalid index. Update failed.");

}

break;

case 3:

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

int deleteIndex = s.nextInt();

if (deleteIndex >= 0 && deleteIndex < Data.size()) {

Data.remove(deleteIndex);

System.out.println("Data deleted successfully.");

} else {

System.out.println("Invalid index. Deletion failed.");

}

break;

case 4:

System.out.println("LinkedList: " + Data);

break;

case 5:

System.out.println("Terminated na ni");

System.exit(0);

break;

default:

System.out.println("Invalid choice. Please try again.");

}

}

}

}