S.No: 34	Exp. Name: **Write java program(s) that use collection framework classes. (LinkedList class)**	Date:2023-12-03

Aim:

Write a java program(s) that use collection framework classes.(LinkedList class)

Source Code:

Linkedlist.java

```java
// Java code to illustrate listIterator()
import java.io.*;
import java.util.*;
import java.util.LinkedList;
import java.util.ListIterator;

public class Linkedlist{
    public static void main(String args[])
    {
        System.out.println("No.Of Strings in LinkedList:");
        Scanner sc= new Scanner(System.in);
        int n = sc.nextInt();
        // Creating an empty LinkedList
        LinkedList<String> ll = new LinkedList<String>();

        for (int i=0; i<n; i++){
            System.out.println("Enter the String:");
            Scanner b = new Scanner(System.in);
            String str= b.nextLine();
            ll.add(str);
        }

        // Displaying the linkedlist
        System.out.println("LinkedList:" + ll);

        // Setting the ListIterator at a specified position
        ListIterator list_Iter = ll.listIterator(0);

        // Iterating through the created list from the position
        System.out.println("The List is as follows:");
        while(list_Iter.hasNext()){
            System.out.println(list_Iter.next());
        }
    }
}
```

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Execution Results - All test cases have succeeded!

Test Case - 1
User Output
No.Of Strings in LinkedList: 3
Enter the String: Hi
Enter the String: Hello

| Enter the String: World |
| LinkedList:[Hi, Hello, World] |
| The List is as follows: |
| Hi |
| Hello |
| World |

| Test Case - 2 |
| User Output |
| No.Of Strings in LinkedList: 2 |
| Enter the String: Human |
| Enter the String: Being |
| LinkedList:[Human, Being] |
| The List is as follows: |
| Human |
| Being |