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| S.No: 34 | Exp. Name: Write java program(s) that use collection framework classes. (LinkedList class) | Date:2024-01-01 |
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Aim:

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

Source Code:

LinkedList.java

```
import java.util.*;
public class LinkedList {
    public static void main(String[] args) {
        Scanner inp = new Scanner(System.in);
        LinkedList<String> linkedList=new LinkedList<String>();
        System.out.println("No.Of Strings in LinkedList:");
        int num = inp.nextInt();
        inp.nextLine();
        for(int i=0;i<num;i++){
            System.out.println("Enter the String:");
            linkedList.add(inp.nextLine());
        }
        System.out.println("LinkedList:"+linkedList);
        System.out.println("The List is as follows:");
        Iterator<String> itr = linkedList.iterator();
        while(itr.hasNext()) {
            System.out.println(itr.next());
        }
    }
}
```

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] |

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| The List is as follows: |
| Human |
| Being |