

**Aim:**

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

**Source Code:****LinkedListclass.java**

```
// Java Program to iterate over linkedHashMap using
// entrySet() and iterator
import java.util.Scanner;
import java.util.Iterator;
import java.util.LinkedList;
import java.util.Set;

public class LinkedListclass {

    public static void main(String[] args){

        // Create a LinkedList and populate it with
        // elements
        LinkedList<String,String> linkedHashMap
            = new LinkedList<String,String>();

        // adding the elements to the linkedHashMap
        System.out.print("No.Of Mapping Elements in LinkedList:");
        Scanner sc= new Scanner(System.in);
        int n = sc.nextInt();
        for (int i=0; i<n; i++){
            System.out.print("String:");
            Scanner b = new Scanner(System.in);
            String str1= b.nextLine();
            System.out.print("Corresponding String:");
            String str2= b.nextLine();
            linkedHashMap.put(str1,str2);
        }

        // Get a set of all the entries (key - value pairs)
        // contained in the LinkedList
        Set entrySet = linkedHashMap.entrySet();

        // Obtain an Iterator for the entries Set
        Iterator it = entrySet.iterator();

        // Iterate through LinkedList entries
        System.out.println("LinkedList entries : ");

        while (it.hasNext())
            // iterating over each element using it.next()
            // method
            System.out.println(it.next());
    }
}
```

## Execution Results - All test cases have succeeded!

Test Case - 1
User Output
No.Of Mapping Elements in LinkedHashMap: 3
String: ONE
Corresponding String: hi
String: TWO
Corresponding String: hello
String: THREE
Corresponding String: everyone
LinkedHashMap entries :
ONE=hi
TWO=hello
THREE=everyone

Test Case - 2
User Output
No.Of Mapping Elements in LinkedHashMap: 4
String: 1x1
Corresponding String: 1
String: 1x2
Corresponding String: 2
String: 1x3
Corresponding String: 3
String: 1x4
Corresponding String: 4
LinkedHashMap entries :
1x1=1
1x2=2
1x3=3
1x4=4