

Aim:

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

Source Code:

LinkedListclass.java

```
import java.util.LinkedList;
import java.io.BufferedReader;
import java.io.InputStreamReader;
import java.util.Set;
public class LinkedListclass{
    public static void main(String [] args) throws Exception{
        BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
        System.out.print("No.Of Mapping Elements in LinkedList:");
        int size = Integer.parseInt(br.readLine());
        LinkedList<String, String> hashMapStrings = new LinkedList<>();
        for(int i=0;i<size;++i){
            System.out.print("String:");
            String mapStr1 = br.readLine();
            System.out.print("Corresponding String:");
            String mapStr2 = br.readLine();
            hashMapStrings.put(mapStr1, mapStr2);
        }
        System.out.println("LinkedList entries : ");
        Set<String> keysOnly = hashMapStrings.keySet();
        for(String key : keysOnly)
            System.out.println(key+"="+hashMapStrings.get(key));
    }
}
```

Execution Results - All test cases have succeeded!

Test Case - 1

User Output

No.Of Mapping Elements in LinkedList: 3

String: ONE

Corresponding String: hi

String: TWO

Corresponding String: hello

String: THREE

Corresponding String: everyone

LinkedList 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