S.No: 30	Exp. Name: *Write java program(s) that use collection framework classes. (TreeMap class)*	Date:2023-12-04

Aim:

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

Source Code:

Treemap.java

```java
import java.util.*;
class Treemap {
    public static void main(String args[]) {
        TreeMap<Integer, String> tm = new TreeMap<Integer,String>();
        System.out.print("No.Of Mapping Elements in TreeMap:");
        Scanner sc = new Scanner(System.in);
        int n = sc.nextInt();
        for(int i=0;i<n;i++) {
            System.out.print("Integer:");
            Scanner b = new Scanner(System.in);
            int num=b.nextInt();
            System.out.print("String:");
            Scanner a = new Scanner(System.in);
            String str = a.nextLine();
            tm.put(num,str);
        }
        Set<Map.Entry<Integer,String> > entries = tm.entrySet();
        Iterator<Map.Entry<Integer,String> > iterator = entries.iterator();
        Map.Entry<Integer,String> entry = null;
        while(iterator.hasNext()) {
            entry = iterator.next();
            System.out.println(entry.getKey() + "->"
                        + entry.getValue());
        }
    }
}
```

Execution Results - All test cases have succeeded!

Test Case - 1
User Output
No.Of Mapping Elements in TreeMap: 2
Integer: 1
String: HELLO
Integer: 2
String: WORLD
1->HELLO
2->WORLD

Test Case - 2
User Output

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No.Of Mapping Elements in TreeMap: 3
Integer: 25
String: UNIVERSITY
Integer: 26
String: KNOWLEDGE
Integer: 27
String: TECHNOLOGIES
25->UNIVERSITY
26->KNOWLEDGE
27->TECHNOLOGIES