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| S.No: 30 | Exp. Name: <b>Write java program(s) that use collection framework classes.(TreeMap class)</b> | Date: 2022-02-24 |
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ID: 204G1A0584

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

**Source Code:**

Treemap.java

```
import java.util.*;
public class Treemap{
    public static void main(String[] args){
        Scanner inp = new Scanner(System.in);
        TreeMap<Integer,String> treeMap = new TreeMap<Integer,String>();
        System.out.print("No.Of Mapping Elements in TreeMap:");
        int num = inp.nextInt();
        for(int i=0;i<num;i++) {
            System.out.print("Integer:");
            int key = inp.nextInt();
            inp.nextLine();
            System.out.print("String:");
            String value = inp.nextLine();
            treeMap.put(key,value); }
        for(Map.Entry m : treeMap.entrySet()) {
            System.out.println(m.getKey()+"->" +m.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                          |
| No.Of Mapping Elements in TreeMap: 3 |
| Integer: 25                          |
| String: UNIVERSITY                   |
| Integer: 26                          |
| String: KNOWLEDGE                    |

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| Test Case - 2        |
|----------------------|
| Integer: 27          |
| String: TECHNOLOGIES |
| 25->UNIVERSITY       |
| 26->KNOWLEDGE        |
| 27->TECHNOLOGIES     |

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