Calculator1.J...   EmailSearch.J...   typeCasting.J...   AccessSpecifi...   methodExecuti...   Cons

```java
1  package Map;
2
3  import java.util.*;
4
5  public class mapDemo {
6
7      public static void main(String[] args) {
8          // map
9
10         //Hashmap
11         HashMap<Integer,String> hm=new HashMap<Integer,String>();
12           hm.put(1,"Tim");
13           hm.put(2,"Mary");
14           hm.put(3,"Catie");
15
16         System.out.println("\nThe elements of Hashmap are ");
17         for(Map.Entry m:hm.entrySet()){
18          System.out.println(m.getKey()+" "+m.getValue());
19          }
20
21       //HashTable
22
23         Hashtable<Integer,String> ht=new Hashtable<Integer,String>();
24
25         ht.put(4,"Ales");
26         ht.put(5,"Rosy");
27         ht.put(6,"Jack");
28         ht.put(7,"John");
29
30         System.out.println("\nThe elements of HashTable are ");
31         for(Map.Entry n:ht.entrySet()){
32          System.out.println(n.getKey()+" "+n.getValue());
33          }
34
35
36       //TreeMap
37
38         TreeMap<Integer,String> map=new TreeMap<Integer,String>();
39         map.put(8,"Annie");
40         map.put(9,"Carlotte");
41         map.put(10,"Catie");
42
43         System.out.println("\nThe elements of TreeMap are ");
```

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Q Search

```java
        //Hashmap
        HashMap<Integer,String> hm=new HashMap<Integer,String>();
        hm.put(1,"Tim");
        hm.put(2,"Mary");
        hm.put(3,"Catie");

        System.out.println("\nThe elements of Hashmap are ");
        for(Map.Entry m:hm.entrySet()){
        System.out.println(m.getKey()+" "+m.getValue());
        }

    //HashTable

        Hashtable<Integer,String> ht=new Hashtable<Integer,String>();

        ht.put(4,"Ales");
        ht.put(5,"Rosy");
        ht.put(6,"Jack");
        ht.put(7,"John");

        System.out.println("\nThe elements of HashTable are ");
        for(Map.Entry n:ht.entrySet()){
        System.out.println(n.getKey()+" "+n.getValue());
        }


    //TreeMap

        TreeMap<Integer,String> map=new TreeMap<Integer,String>();
        map.put(8,"Annie");
        map.put(9,"Carlotte");
        map.put(10,"Catie");

        System.out.println("\nThe elements of TreeMap are ");
        for(Map.Entry l:map.entrySet()){
        System.out.println(l.getKey()+" "+l.getValue());
        }

    }
}
```

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Problems   ● Javadoc   Declaration   Console ×

\<terminated\> mapDemo [Java Application] C:\Users\Srinivas\.p2\pool\plugins\org.eclipse.justj.openjo

```
The elements of Hashmap are
1 Tim
2 Mary
3 Catie

The elements of HashTable are
7 John
6 Jack
5 Rosy
4 Ales

The elements of TreeMap are
8 Annie
9 Carlotte
10 Catie
```