

```

import java.util.*;
public class mapDemo {

    public static void main(String[] args) {
        // map

        //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,"Charlotte");
        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());
        }
    }
}

```

} eclipse-workspace - Assisted project/src/mapDemo.java - Eclipse IDE

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Project Explorer

Assisted project
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calculator
firstprogram
hello world
linkedList

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Console

Coverage

```
14 <terminated> mapDemo [Java Application] C:\Program Files\Java\jdk-15.0
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16 The elements of Hashmap are
17 1 Tim
18 2 Mary
19 3 Catie
20
21 The elements of HashTable are
22 7 John
23 6 Jack
24 5 Rosy
25 4 Ales
26
27 The elements of TreeMap are
28 8 Annie
29 9 Carlotte
30 10 Catie
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