

```
package mapdemo;

import java.util.*;

public class mapdemo {

    public static void main(String[] args) {
        // TODO Auto-generated method stub

        //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());  
}
```

```
}
```

```
}
```

Output:

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 Carlotta

10 Catie