

SortHashMap.java

```

1 package SortHashMapByValues;
2 import java.util.*;
3
4 public class SortHashMap {
5
6     public static void main(String args[])
7     {
8         HashMap<Integer,String> hm = new HashMap<Integer,String>();
9         hm.put(7, "Sunday");
10        hm.put(4, "Thursday");
11        hm.put(2, "Tuesday");
12        hm.put(5, "Friday");
13        hm.put(1, "Monday");
14        hm.put(6, "Saturday");
15        hm.put(3, "Wednesday");
16
17        System.out.println("Map before sorting: ");
18        Set st = hm.entrySet();
19        Iterator it = st.iterator();
20
21        while(it.hasNext())
22        {
23            Map.Entry mpen = (Map.Entry)it.next();
24            System.out.println(mpen.getKey() + " : " + mpen.getValue());
25        }
26
27        Map<Integer,String> mp = sortByValues(hm);
28        System.out.println("Map after sorting: ");
29        Set st1 = mp.entrySet();
30        Iterator it1 = st1.iterator();
31
32        while(it1.hasNext())
33        {
34            Map.Entry mpen1 = (Map.Entry)it1.next();
35            System.out.println(mpen1.getKey() + " : " + mpen1.getValue());
36        }
37    }
38
39    public static HashMap sortByValues(HashMap mp)
40    {
41        List lt = new LinkedList(mp.entrySet());
42        Collections.sort(lt, new Comparator()
43        {
44
45            public int compare(Object o1, Object o2) {
46                return ((Comparable)((Map.Entry)(o1)).getValue()).compareTo(((Map.Entry)
47                (o2)).getValue());
48            }
49        });
50        HashMap sorted = new LinkedHashMap();
51        for(Iterator it2 = lt.iterator(); it2.hasNext();)
52        {
53            Map.Entry ent = (Map.Entry)it2.next();
54            sorted.put(ent.getKey(), ent.getValue());
55        }
56        return sorted;
57    }

```

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57  
58 }  
59
```