

```

1 package com.ameya.test;
2
3 import java.util.HashMap;
4 import java.util.Iterator;
5 import java.util.Map;
6
7 import com.ameya.domain.Person;
8
9 public class TestHashMap {
10
11     public static void main(String[] args) {
12         HashMap<Long, Person> map=new HashMap<Long, Person>();
13         Person p=new Person(5,"aaaa","aaaa",24);
14         map.put(p.getId(), p);
15         map.put((long) 3,new Person(3, "bbbb", "bbbb", 26));
16         map.put((long)4,new Person(4, "cccc", "cccc", 24));
17         map.put((long)1,new Person(1, "dddd", "dddd", 25));
18         map.put((long)2,new Person(2, "eeee", "eeee", 27));
19         map.put((long)2,new Person(2, "ssss", "ssss", 34));//the current
           value for key 2 gets overwritten
20         Iterator<Long> keyItr=map.keySet().iterator();
21         while(keyItr.hasNext()) {
22             long key=keyItr.next();
23             Person person=map.get(key);
24             System.out.println(key+" => "+person);
25         }
26         System.out.println("++++++++++++++++++++++++++++++++++++");
27         //Iterate using Map Entry
28         //Map.Entry<K,V>
29         Iterator<Map.Entry<Long, Person>>
           entryItr=map.entrySet().iterator();
30         while(entryItr.hasNext()) {
31             Map.Entry<Long, Person> entry=entryItr.next();
32             System.out.println(entry);
33             System.out.println("KEY => "+entry.getKey());
34             System.out.println("VALUE => "+entry.getValue());
35         }
36     }
37
38 }
39

```