

```
1
2 package hashtabledemo;
3
4 /**
5  *
6  * @author sc-sh
7  */
8 import java.util.Hashtable;
9 import java.util.Iterator;
10
11 public class HashTableDemo {
12
13     public static void main(String[] args) {
14
15         //1. Create Hashtable
16         Hashtable<String, String> hashtable = new Hashtable<>();
17
18         //2. Add mappings to hashtable
19         hashtable.put("Stephen", "PhD Business Computing");
20         hashtable.put("Mike", "PhD Educational Computing" );
21         hashtable.put("Tim", "PhD Parallel Computing");
22         hashtable.put("Kemi", "PhD Web Computing");
23
24         System.out.println(hashtable);
25
26         //3. Get a mapping by key
27         String value = hashtable.get("Tim");           //PhD Parallel Computing
28         System.out.println(value);
```

```
29
30 //4. Remove a mapping
31 hashtable.remove("Stephen"); //3 is deleted
32
33 //5. Iterate over mappings
34 Iterator<String> itr = hashtable.keySet().iterator();
35
36 while(itr.hasNext())
37 {
38     String key = itr.next();
39     String mappedValue = hashtable.get(key);
40
41     System.out.println("Key: " + key + ", Value: " + mappedValue);
42 }
43 }
44 }
```