**Java – HashMap Iterator example**

[**JAVA COLLECTIONS**](http://beginnersbook.com/category/java-collections/)

**Example**

In the previous tutorial we have seen[**different-2 ways to iterate a HashMap**](http://beginnersbook.com/2013/12/how-to-loop-hashmap-in-java/). In this example we are gonna see how to iterate a[**HashMap**](http://beginnersbook.com/2013/12/hashmap-in-java-with-example/) using [**Iterator**](http://beginnersbook.com/2014/06/java-iterator-with-examples/) and display key and value pairs. The steps we followed in the below example are as follows:  
1) Create a [**HashMap**](http://docs.oracle.com/javase/7/docs/api/java/util/HashMap.html) and populate it with key-value pairs.  
2) Get the Set of key-value pairs by calling entrySet() method.  
3) Obtain the iterator for entry set.  
4) Display the key & pairs using getKey() and getValue() methods of[**Map.Entry interface**](http://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html).

import java.util.HashMap;

import java.util.Set;

import java.util.Iterator;

import java.util.Map;

public class HashMapIteratorExample {

public static void main(String[] args) {

// Creating a HashMap of int keys and String values

HashMap<Integer, String> hashmap = new HashMap<Integer, String>();

// Adding Key and Value pairs to HashMap

hashmap.put(11,"Value1");

hashmap.put(22,"Value2");

hashmap.put(33,"Value3");

hashmap.put(44,"Value4");

hashmap.put(55,"Value5");

// Getting a Set of Key-value pairs

Set entrySet = hashmap.entrySet();

// Obtaining an iterator for the entry set

Iterator it = entrySet.iterator();

// Iterate through HashMap entries(Key-Value pairs)

System.out.println("HashMap Key-Value Pairs : ");

while(it.hasNext()){

Map.Entry me = (Map.Entry)it.next();

System.out.println("Key is: "+me.getKey() +

" & " +

" value is: "+me.getValue());

}

}

}

Output:

HashMap Key-Value Pairs :

Key is: 33 & value is: Value3

Key is: 55 & value is: Value5

Key is: 22 & value is: Value2

Key is: 11 & value is: Value1

Key is: 44 & value is: Value4