**How to loop HashMap in java**

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

In this tutorial we will learn how to loop HashMap using following methods:

1. For loop
2. While loop + Iterator

**Example:**  
In the below example we are iterating the HashMap using both the methods (for loop and while loop). In while loop we have used the iterator.

package beginnersbook.com;

import java.util.HashMap;

import java.util.Map;

import java.util.Iterator;

public class Details

{

public static void main(String [] args)

{

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

//Adding elements to HashMap

hmap.put(11, "AB");

hmap.put(2, "CD");

hmap.put(33, "EF");

hmap.put(9, "GH");

hmap.put(3, "IJ");

//FOR LOOP

System.out.println("For Loop:");

for (Map.Entry me : hmap.entrySet()) {

System.out.println("Key: "+me.getKey() + " & Value: " + me.getValue());

}

//WHILE LOOP & ITERATOR

System.out.println("While Loop:");

Iterator iterator = hmap.entrySet().iterator();

while (iterator.hasNext()) {

Map.Entry me2 = (Map.Entry) iterator.next();

System.out.println("Key: "+me2.getKey() + " & Value: " + me2.getValue());

}

}

}

Output:

For Loop:

Key: 2 & Value: CD

Key: 3 & Value: IJ

Key: 33 & Value: EF

Key: 9 & Value: GH

Key: 11 & Value: AB

While Loop:

Key: 2 & Value: CD

Key: 3 & Value: IJ

Key: 33 & Value: EF

Key: 9 & Value: GH

Key: 11 & Value: AB