

JAVA EXAMPLES - PRINT COLLECTION

http://www.tutorialspoint.com/javaexamples/collection_print.htm

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Problem Description:

How to print a collection?

Solution:

Following example how to print a collection by using tMap.keySet,tMap.values and tMap.firstKey methods of Java Util class .

```
import java.util.*;

public class TreeExample{
    public static void main(String[] args) {
        System.out.println("Tree Map Example!\n");
        TreeMap tMap = new TreeMap();
        tMap.put(1, "Sunday");
        tMap.put(2, "Monday");
        tMap.put(3, "Tuesday");
        tMap.put(4, "Wednesday");
        tMap.put(5, "Thursday");
        tMap.put(6, "Friday");
        tMap.put(7, "Saturday");
        System.out.println("Keys of tree map: "
            + tMap.keySet());
        System.out.println("Values of tree map: "
            + tMap.values());
        System.out.println("Key: 5 value: " + tMap.get(5)+ "\n");
        System.out.println("First key: " + tMap.firstKey()
            + " Value: "
            + tMap.get(tMap.firstKey()) + "\n");
        System.out.println("Last key: " + tMap.lastKey()
            + " Value: " + tMap.get(tMap.lastKey()) + "\n");
        System.out.println("Removing first data: "
            + tMap.remove(tMap.firstKey()));
        System.out.println("Now the tree map Keys: "
            + tMap.keySet());
        System.out.println("Now the tree map contain: "
            + tMap.values() + "\n");
        System.out.println("Removing last data: "
            + tMap.remove(tMap.lastKey()));
        System.out.println("Now the tree map Keys: "
            + tMap.keySet());
        System.out.println("Now the tree map contain: "
            + tMap.values());
    }
}
```

Result:

The above code sample will produce the following result.

```
C:\collection>javac TreeExample.java

C:\collection>java TreeExample
Tree Map Example!

Keys of tree map: [1, 2, 3, 4, 5, 6, 7]
Values of tree map: [Sunday, Monday, Tuesday, Wednesday,
Thursday, Friday, Saturday]
Key: 5 value: Thursday

First key: 1 Value: Sunday
```

Last key: 7 Value: Saturday

Removing first data: Sunday

Now the tree map Keys: [2, 3, 4, 5, 6, 7]

Now the tree map contain: [Monday, Tuesday, Wednesday, Thursday, Friday, Saturday]

Removing last data: Saturday

Now the tree map Keys: [2, 3, 4, 5, 6]

Now the tree map contain: [Monday, Tuesday, Wednesday, Thursday, Friday]

C:\collection>

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