

JAVA.UTIL.COLLECTIONS.NEWSETFROMMAP METHOD

http://www.tutorialspoint.com/java/util/collections_newsetfrommap.htm

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Description

The **newSetFromMap** `Map <, Boolean >` method is used to return a set backed by the specified map.

Declaration

Following is the declaration for **java.util.Collections.newSetFromMap** method.

```
public static <E> Set<E> newSetFromMap(Map<E, Boolean> map)
```

Parameters

- **map** -- The backing map

Return Value

The method call returns the set backed by the map.

Exception

- **IllegalArgumentException** -- This is thrown if map is not empty.

Example

The following example shows the usage of `java.util.Collections.newSetFromMap`

```
package com.tutorialspoint;

import java.util.*;

public class CollectionsDemo {
    public static void main(String args[]) {
        // create map
        Map<String, Boolean> map = new WeakHashMap<String, Boolean>();

        // create a set from map
        Set<String> set = Collections.newSetFromMap(map);

        // add values in set
        set.add("Java");
        set.add("C");
        set.add("C++");

        // set and map values are
        System.out.println("Set is: " + set);
        System.out.println("Map is: " + map);
    }
}
```

Let us compile and run the above program, this will produce the following result.

```
Set is: [Java, C++, C]
Map is: {Java=true, C++=true, C=true}
```

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