

JAVA EXAMPLES - READ-ONLY COLLECTION

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

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Problem Description:

How to make a collection read-only ?

Solution:

Following example shows how to make a collection read-only by using `Collections.unmodifiableList` method of `Collection` class.

```
import java.util.ArrayList;
import java.util.Arrays;
import java.util.Collections;
import java.util.HashMap;
import java.util.HashSet;
import java.util.List;
import java.util.Map;
import java.util.Set;

public class Main {
    public static void main(String[] argv)
        throws Exception {
        List stuff = Arrays.asList(new String[] { "a", "b" });
        List list = new ArrayList(stuff);
        list = Collections.unmodifiableList(list);
        try {
            list.set(0, "new value");
        }
        catch (UnsupportedOperationException e) {
        }
        Set set = new HashSet(stuff);
        set = Collections.unmodifiableSet(set);
        Map map = new HashMap();
        map = Collections.unmodifiableMap(map);
        System.out.println("Collection is read-only now.");
    }
}
```

Result:

The above code sample will produce the following result.

```
Collection is read-only now
Loading [MathJax]/jax/output/HTML-CSS/jax.js
```