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org.apache.commons.collections4.functors

## Class MapTransformer<I,O>

* [java.lang.Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)
  + org.apache.commons.collections4.functors.MapTransformer<I,O>
* All Implemented Interfaces: [Serializable](https://docs.oracle.com/javase/7/docs/api/java/io/Serializable.html?is-external=true), [Transformer](http://docs.google.com/org/apache/commons/collections4/Transformer.html)<I,O>  
    
  public final class MapTransformer<I,O>  
  extends [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)  
  implements [Transformer](http://docs.google.com/org/apache/commons/collections4/Transformer.html)<I,O>, [Serializable](https://docs.oracle.com/javase/7/docs/api/java/io/Serializable.html?is-external=true)  
  Transformer implementation that returns the value held in a specified map using the input parameter as a key.Since: 3.0 See Also: [Serialized Form](http://docs.google.com/serialized-form.html#org.apache.commons.collections4.functors.MapTransformer)

### Method SummaryAll Methods Static Methods Instance Methods Concrete Methods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + [Map](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<? super [I](http://docs.google.com/org/apache/commons/collections4/functors/MapTransformer.html),? extends [O](http://docs.google.com/org/apache/commons/collections4/functors/MapTransformer.html)> | * + [getMap](http://docs.google.com/org/apache/commons/collections4/functors/MapTransformer.html#getMap--)() Gets the map to lookup in. |
| * + static <I,O> [Transformer](http://docs.google.com/org/apache/commons/collections4/Transformer.html)<I,O> | * + [mapTransformer](http://docs.google.com/org/apache/commons/collections4/functors/MapTransformer.html#mapTransformer-java.util.Map-)([Map](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<? super I,? extends O> map) Factory to create the transformer. |
| * + [O](http://docs.google.com/org/apache/commons/collections4/functors/MapTransformer.html) | * + [transform](http://docs.google.com/org/apache/commons/collections4/functors/MapTransformer.html#transform-I-)([I](http://docs.google.com/org/apache/commons/collections4/functors/MapTransformer.html) input) Transforms the input to result by looking it up in a Map. |

### Methods inherited from class java.lang.[**Object**](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)[clone](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#clone--), [equals](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#equals-java.lang.Object-), [finalize](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#finalize--), [getClass](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#getClass--), [hashCode](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#hashCode--), [notify](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#notify--), [notifyAll](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#notifyAll--), [toString](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#toString--), [wait](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#wait--), [wait](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#wait-long-), [wait](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#wait-long-int-)

### Method Detail

#### mapTransformer public static <I,O> [Transformer](http://docs.google.com/org/apache/commons/collections4/Transformer.html)<I,O> mapTransformer([Map](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<? super I,? extends O> map) Factory to create the transformer. If the map is null, a transformer that always returns null is returned.Type Parameters: I - the input type O - the output type Parameters: map - the map, not cloned Returns: the transformer

#### transform public [O](http://docs.google.com/org/apache/commons/collections4/functors/MapTransformer.html) transform([I](http://docs.google.com/org/apache/commons/collections4/functors/MapTransformer.html) input) Transforms the input to result by looking it up in a Map.Specified by: [transform](http://docs.google.com/org/apache/commons/collections4/Transformer.html#transform-I-) in interface [Transformer](http://docs.google.com/org/apache/commons/collections4/Transformer.html)<[I](http://docs.google.com/org/apache/commons/collections4/functors/MapTransformer.html),[O](http://docs.google.com/org/apache/commons/collections4/functors/MapTransformer.html)> Parameters: input - the input object to transform Returns: the transformed result

#### getMap public [Map](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<? super [I](http://docs.google.com/org/apache/commons/collections4/functors/MapTransformer.html),? extends [O](http://docs.google.com/org/apache/commons/collections4/functors/MapTransformer.html)> getMap() Gets the map to lookup in.Returns: the map Since: 3.1

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