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org.apache.commons.collections4.functors

## Class PredicateTransformer<T>

* [java.lang.Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)
  + org.apache.commons.collections4.functors.PredicateTransformer<T>
* 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)<T,[Boolean](https://docs.oracle.com/javase/7/docs/api/java/lang/Boolean.html?is-external=true)>  
    
  public class PredicateTransformer<T>  
  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)<T,[Boolean](https://docs.oracle.com/javase/7/docs/api/java/lang/Boolean.html?is-external=true)>, [Serializable](https://docs.oracle.com/javase/7/docs/api/java/io/Serializable.html?is-external=true)  
  Transformer implementation that calls a Predicate using the input object and then returns the result.Since: 3.0 See Also: [Serialized Form](http://docs.google.com/serialized-form.html#org.apache.commons.collections4.functors.PredicateTransformer)

### Constructor SummaryConstructors

|  |
| --- |
| * + Constructor and Description |
| * + [PredicateTransformer](http://docs.google.com/org/apache/commons/collections4/functors/PredicateTransformer.html#PredicateTransformer-org.apache.commons.collections4.Predicate-)([Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super [T](http://docs.google.com/org/apache/commons/collections4/functors/PredicateTransformer.html)> predicate) Constructor that performs no validation. |

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

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + [Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super [T](http://docs.google.com/org/apache/commons/collections4/functors/PredicateTransformer.html)> | * + [getPredicate](http://docs.google.com/org/apache/commons/collections4/functors/PredicateTransformer.html#getPredicate--)() Gets the predicate. |
| * + static <T> [Transformer](http://docs.google.com/org/apache/commons/collections4/Transformer.html)<T,[Boolean](https://docs.oracle.com/javase/7/docs/api/java/lang/Boolean.html?is-external=true)> | * + [predicateTransformer](http://docs.google.com/org/apache/commons/collections4/functors/PredicateTransformer.html#predicateTransformer-org.apache.commons.collections4.Predicate-)([Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super T> predicate) Factory method that performs validation. |
| * + [Boolean](https://docs.oracle.com/javase/7/docs/api/java/lang/Boolean.html?is-external=true) | * + [transform](http://docs.google.com/org/apache/commons/collections4/functors/PredicateTransformer.html#transform-T-)([T](http://docs.google.com/org/apache/commons/collections4/functors/PredicateTransformer.html) input) Transforms the input to result by calling a predicate. |

### 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-)

### Constructor Detail

#### PredicateTransformer public PredicateTransformer([Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super [T](http://docs.google.com/org/apache/commons/collections4/functors/PredicateTransformer.html)> predicate) Constructor that performs no validation. Use predicateTransformer if you want that.Parameters: predicate - the predicate to call, not null

### Method Detail

#### predicateTransformer public static <T> [Transformer](http://docs.google.com/org/apache/commons/collections4/Transformer.html)<T,[Boolean](https://docs.oracle.com/javase/7/docs/api/java/lang/Boolean.html?is-external=true)> predicateTransformer([Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super T> predicate) Factory method that performs validation.Type Parameters: T - the input type Parameters: predicate - the predicate to call, not null Returns: the predicate transformer Throws: [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if the predicate is null

#### transform public [Boolean](https://docs.oracle.com/javase/7/docs/api/java/lang/Boolean.html?is-external=true) transform([T](http://docs.google.com/org/apache/commons/collections4/functors/PredicateTransformer.html) input) Transforms the input to result by calling a predicate.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)<[T](http://docs.google.com/org/apache/commons/collections4/functors/PredicateTransformer.html),[Boolean](https://docs.oracle.com/javase/7/docs/api/java/lang/Boolean.html?is-external=true)> Parameters: input - the input object to transform Returns: the transformed result

#### getPredicate public [Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super [T](http://docs.google.com/org/apache/commons/collections4/functors/PredicateTransformer.html)> getPredicate() Gets the predicate.Returns: the predicate Since: 3.1

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