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org.apache.commons.collections4.functors

## Class TransformedPredicate<T>

* [java.lang.Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)
  + org.apache.commons.collections4.functors.TransformedPredicate<T>
* All Implemented Interfaces: [Serializable](https://docs.oracle.com/javase/7/docs/api/java/io/Serializable.html?is-external=true), [PredicateDecorator](http://docs.google.com/org/apache/commons/collections4/functors/PredicateDecorator.html)<T>, [Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<T>  
    
  public final class TransformedPredicate<T>  
  extends [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)  
  implements [PredicateDecorator](http://docs.google.com/org/apache/commons/collections4/functors/PredicateDecorator.html)<T>, [Serializable](https://docs.oracle.com/javase/7/docs/api/java/io/Serializable.html?is-external=true)  
  Predicate implementation that transforms the given object before invoking another Predicate.Since: 3.1 See Also: [Serialized Form](http://docs.google.com/serialized-form.html#org.apache.commons.collections4.functors.TransformedPredicate)

### Constructor SummaryConstructors

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

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

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + boolean | * + [evaluate](http://docs.google.com/org/apache/commons/collections4/functors/TransformedPredicate.html#evaluate-T-)([T](http://docs.google.com/org/apache/commons/collections4/functors/TransformedPredicate.html) object) Evaluates the predicate returning the result of the decorated predicate once the input has been transformed |
| * + [Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super [T](http://docs.google.com/org/apache/commons/collections4/functors/TransformedPredicate.html)>[] | * + [getPredicates](http://docs.google.com/org/apache/commons/collections4/functors/TransformedPredicate.html#getPredicates--)() Gets the predicate being decorated. |
| * + [Transformer](http://docs.google.com/org/apache/commons/collections4/Transformer.html)<? super [T](http://docs.google.com/org/apache/commons/collections4/functors/TransformedPredicate.html),? extends [T](http://docs.google.com/org/apache/commons/collections4/functors/TransformedPredicate.html)> | * + [getTransformer](http://docs.google.com/org/apache/commons/collections4/functors/TransformedPredicate.html#getTransformer--)() Gets the transformer in use. |
| * + static <T> [Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<T> | * + [transformedPredicate](http://docs.google.com/org/apache/commons/collections4/functors/TransformedPredicate.html#transformedPredicate-org.apache.commons.collections4.Transformer-org.apache.commons.collections4.Predicate-)([Transformer](http://docs.google.com/org/apache/commons/collections4/Transformer.html)<? super T,? extends T> transformer, [Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super T> predicate) Factory to create the 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

#### TransformedPredicate public TransformedPredicate([Transformer](http://docs.google.com/org/apache/commons/collections4/Transformer.html)<? super [T](http://docs.google.com/org/apache/commons/collections4/functors/TransformedPredicate.html),? extends [T](http://docs.google.com/org/apache/commons/collections4/functors/TransformedPredicate.html)> transformer, [Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super [T](http://docs.google.com/org/apache/commons/collections4/functors/TransformedPredicate.html)> predicate) Constructor that performs no validation. Use transformedPredicate if you want that.Parameters: transformer - the transformer to use predicate - the predicate to decorate

### Method Detail

#### transformedPredicate public static <T> [Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<T> transformedPredicate([Transformer](http://docs.google.com/org/apache/commons/collections4/Transformer.html)<? super T,? extends T> transformer, [Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super T> predicate) Factory to create the predicate.Type Parameters: T - the type that the predicate queries Parameters: transformer - the transformer to call predicate - the predicate to call with the result of the transform Returns: the predicate Throws: [NullPointerException](https://docs.oracle.com/javase/7/docs/api/java/lang/NullPointerException.html?is-external=true) - if the transformer or the predicate is null

#### evaluate public boolean evaluate([T](http://docs.google.com/org/apache/commons/collections4/functors/TransformedPredicate.html) object) Evaluates the predicate returning the result of the decorated predicate once the input has been transformedSpecified by: [evaluate](http://docs.google.com/org/apache/commons/collections4/Predicate.html#evaluate-T-) in interface [Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<[T](http://docs.google.com/org/apache/commons/collections4/functors/TransformedPredicate.html)> Parameters: object - the input object which will be transformed Returns: true if decorated predicate returns true

#### getPredicates public [Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super [T](http://docs.google.com/org/apache/commons/collections4/functors/TransformedPredicate.html)>[] getPredicates() Gets the predicate being decorated.Specified by: [getPredicates](http://docs.google.com/org/apache/commons/collections4/functors/PredicateDecorator.html#getPredicates--) in interface [PredicateDecorator](http://docs.google.com/org/apache/commons/collections4/functors/PredicateDecorator.html)<[T](http://docs.google.com/org/apache/commons/collections4/functors/TransformedPredicate.html)> Returns: the predicate as the only element in an array Since: 3.1

#### getTransformer public [Transformer](http://docs.google.com/org/apache/commons/collections4/Transformer.html)<? super [T](http://docs.google.com/org/apache/commons/collections4/functors/TransformedPredicate.html),? extends [T](http://docs.google.com/org/apache/commons/collections4/functors/TransformedPredicate.html)> getTransformer() Gets the transformer in use.Returns: the transformer

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