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org.apache.commons.collections4

## Interface Predicate<T>

* Type Parameters: T - the type that the predicate queries All Known Subinterfaces: [PredicateDecorator](http://docs.google.com/org/apache/commons/collections4/functors/PredicateDecorator.html)<T> All Known Implementing Classes: [AbstractQuantifierPredicate](http://docs.google.com/org/apache/commons/collections4/functors/AbstractQuantifierPredicate.html), [AllPredicate](http://docs.google.com/org/apache/commons/collections4/functors/AllPredicate.html), [AndPredicate](http://docs.google.com/org/apache/commons/collections4/functors/AndPredicate.html), [AnyPredicate](http://docs.google.com/org/apache/commons/collections4/functors/AnyPredicate.html), [ComparatorPredicate](http://docs.google.com/org/apache/commons/collections4/functors/ComparatorPredicate.html), [EqualPredicate](http://docs.google.com/org/apache/commons/collections4/functors/EqualPredicate.html), [ExceptionPredicate](http://docs.google.com/org/apache/commons/collections4/functors/ExceptionPredicate.html), [FalsePredicate](http://docs.google.com/org/apache/commons/collections4/functors/FalsePredicate.html), [IdentityPredicate](http://docs.google.com/org/apache/commons/collections4/functors/IdentityPredicate.html), [InstanceofPredicate](http://docs.google.com/org/apache/commons/collections4/functors/InstanceofPredicate.html), [NonePredicate](http://docs.google.com/org/apache/commons/collections4/functors/NonePredicate.html), [NotNullPredicate](http://docs.google.com/org/apache/commons/collections4/functors/NotNullPredicate.html), [NotPredicate](http://docs.google.com/org/apache/commons/collections4/functors/NotPredicate.html), [NullIsExceptionPredicate](http://docs.google.com/org/apache/commons/collections4/functors/NullIsExceptionPredicate.html), [NullIsFalsePredicate](http://docs.google.com/org/apache/commons/collections4/functors/NullIsFalsePredicate.html), [NullIsTruePredicate](http://docs.google.com/org/apache/commons/collections4/functors/NullIsTruePredicate.html), [NullPredicate](http://docs.google.com/org/apache/commons/collections4/functors/NullPredicate.html), [OnePredicate](http://docs.google.com/org/apache/commons/collections4/functors/OnePredicate.html), [OrPredicate](http://docs.google.com/org/apache/commons/collections4/functors/OrPredicate.html), [TransformedPredicate](http://docs.google.com/org/apache/commons/collections4/functors/TransformedPredicate.html), [TransformerPredicate](http://docs.google.com/org/apache/commons/collections4/functors/TransformerPredicate.html), [TruePredicate](http://docs.google.com/org/apache/commons/collections4/functors/TruePredicate.html), [UniquePredicate](http://docs.google.com/org/apache/commons/collections4/functors/UniquePredicate.html) Functional Interface: This is a functional interface and can therefore be used as the assignment target for a lambda expression or method reference.  
    
  [@FunctionalInterface](https://docs.oracle.com/javase/7/docs/api/java/lang/FunctionalInterface.html?is-external=true)  
  public interface Predicate<T>  
  Defines a functor interface implemented by classes that perform a predicate test on an object.  
  A Predicate is the object equivalent of an if statement. It uses the input object to return a true or false value, and is often used in validation or filtering.  
  Standard implementations of common predicates are provided by [PredicateUtils](http://docs.google.com/org/apache/commons/collections4/PredicateUtils.html). These include true, false, instanceof, equals, and, or, not, method invokation and null testing.Since: 1.0

### Method SummaryAll Methods Instance Methods Abstract Methods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + boolean | * + [evaluate](http://docs.google.com/org/apache/commons/collections4/Predicate.html#evaluate-T-)([T](http://docs.google.com/org/apache/commons/collections4/Predicate.html) object) Use the specified parameter to perform a test that returns true or false. |

### Method Detail

#### evaluate boolean evaluate([T](http://docs.google.com/org/apache/commons/collections4/Predicate.html) object) Use the specified parameter to perform a test that returns true or false.Parameters: object - the object to evaluate, should not be changed Returns: true or false Throws: [ClassCastException](https://docs.oracle.com/javase/7/docs/api/java/lang/ClassCastException.html?is-external=true) - (runtime) if the input is the wrong class [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - (runtime) if the input is invalid [FunctorException](http://docs.google.com/org/apache/commons/collections4/FunctorException.html) - (runtime) if the predicate encounters a problem

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