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org.apache.commons.collections4.functors

## Class AndPredicate<T>

* [java.lang.Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)
  + org.apache.commons.collections4.functors.AndPredicate<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 AndPredicate<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 returns true if both the predicates return true.Since: 3.0 See Also: [Serialized Form](http://docs.google.com/serialized-form.html#org.apache.commons.collections4.functors.AndPredicate)

### Constructor SummaryConstructors

|  |
| --- |
| * + Constructor and Description |
| * + [AndPredicate](http://docs.google.com/org/apache/commons/collections4/functors/AndPredicate.html#AndPredicate-org.apache.commons.collections4.Predicate-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/AndPredicate.html)> predicate1, [Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super [T](http://docs.google.com/org/apache/commons/collections4/functors/AndPredicate.html)> predicate2) Constructor that performs no validation. |

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

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + static <T> [Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<T> | * + [andPredicate](http://docs.google.com/org/apache/commons/collections4/functors/AndPredicate.html#andPredicate-org.apache.commons.collections4.Predicate-org.apache.commons.collections4.Predicate-)([Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super T> predicate1, [Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super T> predicate2) Factory to create the predicate. |
| * + boolean | * + [evaluate](http://docs.google.com/org/apache/commons/collections4/functors/AndPredicate.html#evaluate-T-)([T](http://docs.google.com/org/apache/commons/collections4/functors/AndPredicate.html) object) Evaluates the predicate returning true if both predicates return true. |
| * + [Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super [T](http://docs.google.com/org/apache/commons/collections4/functors/AndPredicate.html)>[] | * + [getPredicates](http://docs.google.com/org/apache/commons/collections4/functors/AndPredicate.html#getPredicates--)() Gets the two predicates being decorated as an array. |

### 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

#### AndPredicate public AndPredicate([Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super [T](http://docs.google.com/org/apache/commons/collections4/functors/AndPredicate.html)> predicate1, [Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super [T](http://docs.google.com/org/apache/commons/collections4/functors/AndPredicate.html)> predicate2) Constructor that performs no validation. Use andPredicate if you want that.Parameters: predicate1 - the first predicate to check, not null predicate2 - the second predicate to check, not null

### Method Detail

#### andPredicate public static <T> [Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<T> andPredicate([Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super T> predicate1, [Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super T> predicate2) Factory to create the predicate.Type Parameters: T - the type that the predicate queries Parameters: predicate1 - the first predicate to check, not null predicate2 - the second predicate to check, not null Returns: the and predicate Throws: [NullPointerException](https://docs.oracle.com/javase/7/docs/api/java/lang/NullPointerException.html?is-external=true) - if either predicate is null

#### evaluate public boolean evaluate([T](http://docs.google.com/org/apache/commons/collections4/functors/AndPredicate.html) object) Evaluates the predicate returning true if both predicates return true.Specified 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/AndPredicate.html)> Parameters: object - the input object Returns: true if both decorated predicates return 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/AndPredicate.html)>[] getPredicates() Gets the two predicates being decorated as an array.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/AndPredicate.html)> Returns: the predicates Since: 3.1

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