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org.apache.commons.collections4.functors

## Class DefaultEquator<T>

* [java.lang.Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)
  + org.apache.commons.collections4.functors.DefaultEquator<T>
* Type Parameters: T - the types of object this [Equator](http://docs.google.com/org/apache/commons/collections4/Equator.html) can evaluate. All Implemented Interfaces: [Serializable](https://docs.oracle.com/javase/7/docs/api/java/io/Serializable.html?is-external=true), [Equator](http://docs.google.com/org/apache/commons/collections4/Equator.html)<T>  
    
  public class DefaultEquator<T>  
  extends [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)  
  implements [Equator](http://docs.google.com/org/apache/commons/collections4/Equator.html)<T>, [Serializable](https://docs.oracle.com/javase/7/docs/api/java/io/Serializable.html?is-external=true)  
  Default [Equator](http://docs.google.com/org/apache/commons/collections4/Equator.html) implementation.Since: 4.0 See Also: [Serialized Form](http://docs.google.com/serialized-form.html#org.apache.commons.collections4.functors.DefaultEquator)

### Field SummaryFields

|  |  |
| --- | --- |
| * + Modifier and Type | * + Field and Description |
| * + static int | * + [HASHCODE\_NULL](http://docs.google.com/org/apache/commons/collections4/functors/DefaultEquator.html#HASHCODE_NULL) Hashcode used for null objects. |
| * + static [DefaultEquator](http://docs.google.com/org/apache/commons/collections4/functors/DefaultEquator.html) | * + [INSTANCE](http://docs.google.com/org/apache/commons/collections4/functors/DefaultEquator.html#INSTANCE) Static instance |

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

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + static <T> [DefaultEquator](http://docs.google.com/org/apache/commons/collections4/functors/DefaultEquator.html)<T> | * + [defaultEquator](http://docs.google.com/org/apache/commons/collections4/functors/DefaultEquator.html#defaultEquator--)() Factory returning the typed singleton instance. |
| * + boolean | * + [equate](http://docs.google.com/org/apache/commons/collections4/functors/DefaultEquator.html#equate-T-T-)([T](http://docs.google.com/org/apache/commons/collections4/functors/DefaultEquator.html) o1, [T](http://docs.google.com/org/apache/commons/collections4/functors/DefaultEquator.html) o2) Evaluates the two arguments for their equality. |
| * + int | * + [hash](http://docs.google.com/org/apache/commons/collections4/functors/DefaultEquator.html#hash-T-)([T](http://docs.google.com/org/apache/commons/collections4/functors/DefaultEquator.html) o) Calculates the hash for the object, based on the method of equality used in the equate method. |

### 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-)

### Field Detail

#### INSTANCE public static final [DefaultEquator](http://docs.google.com/org/apache/commons/collections4/functors/DefaultEquator.html) INSTANCE Static instance

#### HASHCODE\_NULL public static final int HASHCODE\_NULL Hashcode used for null objects.See Also: [Constant Field Values](http://docs.google.com/constant-values.html#org.apache.commons.collections4.functors.DefaultEquator.HASHCODE_NULL)

### Method Detail

#### defaultEquator public static <T> [DefaultEquator](http://docs.google.com/org/apache/commons/collections4/functors/DefaultEquator.html)<T> defaultEquator() Factory returning the typed singleton instance.Type Parameters: T - the object type Returns: the singleton instance

#### equate public boolean equate([T](http://docs.google.com/org/apache/commons/collections4/functors/DefaultEquator.html) o1, [T](http://docs.google.com/org/apache/commons/collections4/functors/DefaultEquator.html) o2) Evaluates the two arguments for their equality. Delegates to [Object.equals(Object)](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#equals-java.lang.Object-).Specified by: [equate](http://docs.google.com/org/apache/commons/collections4/Equator.html#equate-T-T-) in interface [Equator](http://docs.google.com/org/apache/commons/collections4/Equator.html)<[T](http://docs.google.com/org/apache/commons/collections4/functors/DefaultEquator.html)> Parameters: o1 - the first object to be equated. o2 - the second object to be equated. Returns: whether the two objects are equal.

#### hash public int hash([T](http://docs.google.com/org/apache/commons/collections4/functors/DefaultEquator.html) o) Calculates the hash for the object, based on the method of equality used in the equate method. This is used for classes that delegate their [equals(Object)](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#equals-java.lang.Object-) method to an Equator (and so must also delegate their [hashCode()](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#hashCode--) method), or for implementations of [HashedMap](http://docs.google.com/org/apache/commons/collections4/map/HashedMap.html) that use an Equator for the key objects.Specified by: [hash](http://docs.google.com/org/apache/commons/collections4/Equator.html#hash-T-) in interface [Equator](http://docs.google.com/org/apache/commons/collections4/Equator.html)<[T](http://docs.google.com/org/apache/commons/collections4/functors/DefaultEquator.html)> Parameters: o - the object to calculate the hash for. Returns: o.hashCode() if o is non- null, else [HASHCODE\_NULL](http://docs.google.com/org/apache/commons/collections4/functors/DefaultEquator.html#HASHCODE_NULL).

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