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org.apache.commons.collections4.functors

## Class IfClosure<E>

* [java.lang.Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)
  + org.apache.commons.collections4.functors.IfClosure<E>
* All Implemented Interfaces: [Serializable](https://docs.oracle.com/javase/7/docs/api/java/io/Serializable.html?is-external=true), [Closure](http://docs.google.com/org/apache/commons/collections4/Closure.html)<E>  
    
  public class IfClosure<E>  
  extends [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)  
  implements [Closure](http://docs.google.com/org/apache/commons/collections4/Closure.html)<E>, [Serializable](https://docs.oracle.com/javase/7/docs/api/java/io/Serializable.html?is-external=true)  
  Closure implementation acts as an if statement calling one or other closure based on a predicate.Since: 3.0 See Also: [Serialized Form](http://docs.google.com/serialized-form.html#org.apache.commons.collections4.functors.IfClosure)

### Constructor SummaryConstructors

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

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

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + void | * + [execute](http://docs.google.com/org/apache/commons/collections4/functors/IfClosure.html#execute-E-)([E](http://docs.google.com/org/apache/commons/collections4/functors/IfClosure.html) input) Executes the true or false closure according to the result of the predicate. |
| * + [Closure](http://docs.google.com/org/apache/commons/collections4/Closure.html)<? super [E](http://docs.google.com/org/apache/commons/collections4/functors/IfClosure.html)> | * + [getFalseClosure](http://docs.google.com/org/apache/commons/collections4/functors/IfClosure.html#getFalseClosure--)() Gets the closure called when false. |
| * + [Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super [E](http://docs.google.com/org/apache/commons/collections4/functors/IfClosure.html)> | * + [getPredicate](http://docs.google.com/org/apache/commons/collections4/functors/IfClosure.html#getPredicate--)() Gets the predicate. |
| * + [Closure](http://docs.google.com/org/apache/commons/collections4/Closure.html)<? super [E](http://docs.google.com/org/apache/commons/collections4/functors/IfClosure.html)> | * + [getTrueClosure](http://docs.google.com/org/apache/commons/collections4/functors/IfClosure.html#getTrueClosure--)() Gets the closure called when true. |
| * + static <E> [Closure](http://docs.google.com/org/apache/commons/collections4/Closure.html)<E> | * + [ifClosure](http://docs.google.com/org/apache/commons/collections4/functors/IfClosure.html#ifClosure-org.apache.commons.collections4.Predicate-org.apache.commons.collections4.Closure-)([Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super E> predicate, [Closure](http://docs.google.com/org/apache/commons/collections4/Closure.html)<? super E> trueClosure) Factory method that performs validation. |
| * + static <E> [Closure](http://docs.google.com/org/apache/commons/collections4/Closure.html)<E> | * + [ifClosure](http://docs.google.com/org/apache/commons/collections4/functors/IfClosure.html#ifClosure-org.apache.commons.collections4.Predicate-org.apache.commons.collections4.Closure-org.apache.commons.collections4.Closure-)([Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super E> predicate, [Closure](http://docs.google.com/org/apache/commons/collections4/Closure.html)<? super E> trueClosure, [Closure](http://docs.google.com/org/apache/commons/collections4/Closure.html)<? super E> falseClosure) Factory method that performs validation. |

### 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

#### IfClosure public IfClosure([Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super [E](http://docs.google.com/org/apache/commons/collections4/functors/IfClosure.html)> predicate, [Closure](http://docs.google.com/org/apache/commons/collections4/Closure.html)<? super [E](http://docs.google.com/org/apache/commons/collections4/functors/IfClosure.html)> trueClosure) Constructor that performs no validation. Use ifClosure if you want that. This constructor creates a closure that performs no action when the predicate is false.Parameters: predicate - predicate to switch on, not null trueClosure - closure used if true, not null Since: 3.2

#### IfClosure public IfClosure([Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super [E](http://docs.google.com/org/apache/commons/collections4/functors/IfClosure.html)> predicate, [Closure](http://docs.google.com/org/apache/commons/collections4/Closure.html)<? super [E](http://docs.google.com/org/apache/commons/collections4/functors/IfClosure.html)> trueClosure, [Closure](http://docs.google.com/org/apache/commons/collections4/Closure.html)<? super [E](http://docs.google.com/org/apache/commons/collections4/functors/IfClosure.html)> falseClosure) Constructor that performs no validation. Use ifClosure if you want that.Parameters: predicate - predicate to switch on, not null trueClosure - closure used if true, not null falseClosure - closure used if false, not null

### Method Detail

#### ifClosure public static <E> [Closure](http://docs.google.com/org/apache/commons/collections4/Closure.html)<E> ifClosure([Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super E> predicate, [Closure](http://docs.google.com/org/apache/commons/collections4/Closure.html)<? super E> trueClosure) Factory method that performs validation. This factory creates a closure that performs no action when the predicate is false.Type Parameters: E - the type that the closure acts on Parameters: predicate - predicate to switch on trueClosure - closure used if true Returns: the if closure Throws: [NullPointerException](https://docs.oracle.com/javase/7/docs/api/java/lang/NullPointerException.html?is-external=true) - if either argument is null Since: 3.2

#### ifClosure public static <E> [Closure](http://docs.google.com/org/apache/commons/collections4/Closure.html)<E> ifClosure([Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super E> predicate, [Closure](http://docs.google.com/org/apache/commons/collections4/Closure.html)<? super E> trueClosure, [Closure](http://docs.google.com/org/apache/commons/collections4/Closure.html)<? super E> falseClosure) Factory method that performs validation.Type Parameters: E - the type that the closure acts on Parameters: predicate - predicate to switch on trueClosure - closure used if true falseClosure - closure used if false Returns: the if closure Throws: [NullPointerException](https://docs.oracle.com/javase/7/docs/api/java/lang/NullPointerException.html?is-external=true) - if any argument is null

#### execute public void execute([E](http://docs.google.com/org/apache/commons/collections4/functors/IfClosure.html) input) Executes the true or false closure according to the result of the predicate.Specified by: [execute](http://docs.google.com/org/apache/commons/collections4/Closure.html#execute-T-) in interface [Closure](http://docs.google.com/org/apache/commons/collections4/Closure.html)<[E](http://docs.google.com/org/apache/commons/collections4/functors/IfClosure.html)> Parameters: input - the input object

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

#### getTrueClosure public [Closure](http://docs.google.com/org/apache/commons/collections4/Closure.html)<? super [E](http://docs.google.com/org/apache/commons/collections4/functors/IfClosure.html)> getTrueClosure() Gets the closure called when true.Returns: the closure Since: 3.1

#### getFalseClosure public [Closure](http://docs.google.com/org/apache/commons/collections4/Closure.html)<? super [E](http://docs.google.com/org/apache/commons/collections4/functors/IfClosure.html)> getFalseClosure() Gets the closure called when false.Returns: the closure Since: 3.1

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