JavaScript is disabled on your browser.

[Skip navigation links](#1fob9te)

* [Overview](http://docs.google.com/overview-summary.html)
* [Package](http://docs.google.com/package-summary.html)
* Class
* [Use](http://docs.google.com/class-use/CatchAndRethrowClosure.html)
* [Tree](http://docs.google.com/package-tree.html)
* [Deprecated](http://docs.google.com/deprecated-list.html)
* [Index](http://docs.google.com/index-all.html)
* [Help](http://docs.google.com/help-doc.html)
* [Prev Class](http://docs.google.com/org/apache/commons/collections4/functors/AnyPredicate.html)
* [Next Class](http://docs.google.com/org/apache/commons/collections4/functors/ChainedClosure.html)
* [Frames](http://docs.google.com/index.html?org/apache/commons/collections4/functors/CatchAndRethrowClosure.html)
* [No Frames](http://docs.google.com/CatchAndRethrowClosure.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)
* Summary:
* Nested |
* Field |
* [Constr](#3znysh7) |
* [Method](#2et92p0)
* Detail:
* Field |
* [Constr](#3dy6vkm) |
* [Method](#4d34og8)

org.apache.commons.collections4.functors

## Class CatchAndRethrowClosure<E>

* [java.lang.Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)
  + org.apache.commons.collections4.functors.CatchAndRethrowClosure<E>
* All Implemented Interfaces: [Closure](http://docs.google.com/org/apache/commons/collections4/Closure.html)<E>  
    
  public abstract class CatchAndRethrowClosure<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>  
  [Closure](http://docs.google.com/org/apache/commons/collections4/Closure.html) that catches any checked exception and re-throws it as a [FunctorException](http://docs.google.com/org/apache/commons/collections4/FunctorException.html) runtime exception. Example usage:  
   // Create a catch and re-throw closure via anonymous subclass  
   CatchAndRethrowClosure<String> writer = new ThrowingClosure() {  
   private java.io.Writer out = // some writer  
    
   protected void executeAndThrow(String input) throws IOException {  
   out.write(input); // throwing of IOException allowed  
   }  
   };  
    
   // use catch and re-throw closure  
   java.util.List<String> strList = // some list  
   try {  
   CollectionUtils.forAllDo(strList, writer);  
   } catch (FunctorException ex) {  
   Throwable originalError = ex.getCause();  
   // handle error  
   }  
   Since: 4.0

### Constructor SummaryConstructors

|  |
| --- |
| * + Constructor and Description |
| * + [CatchAndRethrowClosure](http://docs.google.com/org/apache/commons/collections4/functors/CatchAndRethrowClosure.html#CatchAndRethrowClosure--)() |

### Method SummaryAll Methods Instance Methods Abstract Methods Concrete Methods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + void | * + [execute](http://docs.google.com/org/apache/commons/collections4/functors/CatchAndRethrowClosure.html#execute-E-)([E](http://docs.google.com/org/apache/commons/collections4/functors/CatchAndRethrowClosure.html) input) Execute this closure on the specified input object. |
| * + protected abstract void | * + [executeAndThrow](http://docs.google.com/org/apache/commons/collections4/functors/CatchAndRethrowClosure.html#executeAndThrow-E-)([E](http://docs.google.com/org/apache/commons/collections4/functors/CatchAndRethrowClosure.html) input) Execute this closure on the specified input object. |

### 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

#### CatchAndRethrowClosure public CatchAndRethrowClosure()

### Method Detail

#### execute public void execute([E](http://docs.google.com/org/apache/commons/collections4/functors/CatchAndRethrowClosure.html) input) Execute this closure on the specified input object.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/CatchAndRethrowClosure.html)> Parameters: input - the input to execute on Throws: [FunctorException](http://docs.google.com/org/apache/commons/collections4/FunctorException.html) - (runtime) if the closure execution resulted in a checked exception.

#### executeAndThrow protected abstract void executeAndThrow([E](http://docs.google.com/org/apache/commons/collections4/functors/CatchAndRethrowClosure.html) input) throws [Throwable](https://docs.oracle.com/javase/7/docs/api/java/lang/Throwable.html?is-external=true) Execute this closure on the specified input object.Parameters: input - the input to execute on Throws: [Throwable](https://docs.oracle.com/javase/7/docs/api/java/lang/Throwable.html?is-external=true) - if the closure execution resulted in a checked exception.

[Skip navigation links](#1ksv4uv)

* [Overview](http://docs.google.com/overview-summary.html)
* [Package](http://docs.google.com/package-summary.html)
* Class
* [Use](http://docs.google.com/class-use/CatchAndRethrowClosure.html)
* [Tree](http://docs.google.com/package-tree.html)
* [Deprecated](http://docs.google.com/deprecated-list.html)
* [Index](http://docs.google.com/index-all.html)
* [Help](http://docs.google.com/help-doc.html)
* [Prev Class](http://docs.google.com/org/apache/commons/collections4/functors/AnyPredicate.html)
* [Next Class](http://docs.google.com/org/apache/commons/collections4/functors/ChainedClosure.html)
* [Frames](http://docs.google.com/index.html?org/apache/commons/collections4/functors/CatchAndRethrowClosure.html)
* [No Frames](http://docs.google.com/CatchAndRethrowClosure.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)
* Summary:
* Nested |
* Field |
* [Constr](#3znysh7) |
* [Method](#2et92p0)
* Detail:
* Field |
* [Constr](#3dy6vkm) |
* [Method](#4d34og8)

Copyright © 2001–2019 [The Apache Software Foundation](https://www.apache.org/). All rights reserved.