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[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/Closure.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/BoundedMap.html)
* [Next Class](http://docs.google.com/org/apache/commons/collections4/ClosureUtils.html)
* [Frames](http://docs.google.com/index.html?org/apache/commons/collections4/Closure.html)
* [No Frames](http://docs.google.com/Closure.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)
* Summary:
* Nested |
* Field |
* Constr |
* [Method](#3znysh7)
* Detail:
* Field |
* Constr |
* [Method](#2et92p0)

org.apache.commons.collections4

## Interface Closure<T>

* Type Parameters: T - the type that the closure acts on All Known Implementing Classes: [CatchAndRethrowClosure](http://docs.google.com/org/apache/commons/collections4/functors/CatchAndRethrowClosure.html), [ChainedClosure](http://docs.google.com/org/apache/commons/collections4/functors/ChainedClosure.html), [ExceptionClosure](http://docs.google.com/org/apache/commons/collections4/functors/ExceptionClosure.html), [ForClosure](http://docs.google.com/org/apache/commons/collections4/functors/ForClosure.html), [IfClosure](http://docs.google.com/org/apache/commons/collections4/functors/IfClosure.html), [NOPClosure](http://docs.google.com/org/apache/commons/collections4/functors/NOPClosure.html), [SwitchClosure](http://docs.google.com/org/apache/commons/collections4/functors/SwitchClosure.html), [TransformerClosure](http://docs.google.com/org/apache/commons/collections4/functors/TransformerClosure.html), [WhileClosure](http://docs.google.com/org/apache/commons/collections4/functors/WhileClosure.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 Closure<T>  
  Defines a functor interface implemented by classes that do something.  
  A Closure represents a block of code which is executed from inside some block, function or iteration. It operates an input object.  
  Standard implementations of common closures are provided by [ClosureUtils](http://docs.google.com/org/apache/commons/collections4/ClosureUtils.html). These include method invocation and for/while loops.Since: 1.0

### Method SummaryAll Methods Instance Methods Abstract Methods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + void | * + [execute](http://docs.google.com/org/apache/commons/collections4/Closure.html#execute-T-)([T](http://docs.google.com/org/apache/commons/collections4/Closure.html) input) Performs an action on the specified input object. |

### Method Detail

#### execute void execute([T](http://docs.google.com/org/apache/commons/collections4/Closure.html) input) Performs an action on the specified input object.Parameters: input - the input to execute on 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 any other error occurs

[Skip navigation links](#2s8eyo1)

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* [Tree](http://docs.google.com/package-tree.html)
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* [No Frames](http://docs.google.com/Closure.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)
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* Nested |
* Field |
* Constr |
* [Method](#3znysh7)
* Detail:
* Field |
* Constr |
* [Method](#2et92p0)

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