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org.apache.commons.collections4.functors

## Class ChainedClosure<E>

* [java.lang.Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)
  + org.apache.commons.collections4.functors.ChainedClosure<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 ChainedClosure<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 that chains the specified closures together.Since: 3.0 See Also: [Serialized Form](http://docs.google.com/serialized-form.html#org.apache.commons.collections4.functors.ChainedClosure)

### Constructor SummaryConstructors

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

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

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + static <E> [Closure](http://docs.google.com/org/apache/commons/collections4/Closure.html)<E> | * + [chainedClosure](http://docs.google.com/org/apache/commons/collections4/functors/ChainedClosure.html#chainedClosure-org.apache.commons.collections4.Closure...-)([Closure](http://docs.google.com/org/apache/commons/collections4/Closure.html)<? super E>... closures) Factory method that performs validation and copies the parameter array. |
| * + static <E> [Closure](http://docs.google.com/org/apache/commons/collections4/Closure.html)<E> | * + [chainedClosure](http://docs.google.com/org/apache/commons/collections4/functors/ChainedClosure.html#chainedClosure-java.util.Collection-)([Collection](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true)<? extends [Closure](http://docs.google.com/org/apache/commons/collections4/Closure.html)<? super E>> closures) Create a new Closure that calls each closure in turn, passing the result into the next closure. |
| * + void | * + [execute](http://docs.google.com/org/apache/commons/collections4/functors/ChainedClosure.html#execute-E-)([E](http://docs.google.com/org/apache/commons/collections4/functors/ChainedClosure.html) input) Execute a list of closures. |
| * + [Closure](http://docs.google.com/org/apache/commons/collections4/Closure.html)<? super [E](http://docs.google.com/org/apache/commons/collections4/functors/ChainedClosure.html)>[] | * + [getClosures](http://docs.google.com/org/apache/commons/collections4/functors/ChainedClosure.html#getClosures--)() Gets the closures. |

### 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

#### ChainedClosure public ChainedClosure([Closure](http://docs.google.com/org/apache/commons/collections4/Closure.html)<? super [E](http://docs.google.com/org/apache/commons/collections4/functors/ChainedClosure.html)>... closures) Constructor that performs no validation. Use chainedClosure if you want that.Parameters: closures - the closures to chain, copied, no nulls

### Method Detail

#### chainedClosure public static <E> [Closure](http://docs.google.com/org/apache/commons/collections4/Closure.html)<E> chainedClosure([Closure](http://docs.google.com/org/apache/commons/collections4/Closure.html)<? super E>... closures) Factory method that performs validation and copies the parameter array.Type Parameters: E - the type that the closure acts on Parameters: closures - the closures to chain, copied, no nulls Returns: the chained closure Throws: [NullPointerException](https://docs.oracle.com/javase/7/docs/api/java/lang/NullPointerException.html?is-external=true) - if the closures array is null [NullPointerException](https://docs.oracle.com/javase/7/docs/api/java/lang/NullPointerException.html?is-external=true) - if any closure in the array is null

#### chainedClosure public static <E> [Closure](http://docs.google.com/org/apache/commons/collections4/Closure.html)<E> chainedClosure([Collection](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true)<? extends [Closure](http://docs.google.com/org/apache/commons/collections4/Closure.html)<? super E>> closures) Create a new Closure that calls each closure in turn, passing the result into the next closure. The ordering is that of the iterator() method on the collection.Type Parameters: E - the type that the closure acts on Parameters: closures - a collection of closures to chain Returns: the chained closure Throws: [NullPointerException](https://docs.oracle.com/javase/7/docs/api/java/lang/NullPointerException.html?is-external=true) - if the closures collection is null [NullPointerException](https://docs.oracle.com/javase/7/docs/api/java/lang/NullPointerException.html?is-external=true) - if any closure in the collection is null

#### execute public void execute([E](http://docs.google.com/org/apache/commons/collections4/functors/ChainedClosure.html) input) Execute a list of closures.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/ChainedClosure.html)> Parameters: input - the input object passed to each closure

#### getClosures public [Closure](http://docs.google.com/org/apache/commons/collections4/Closure.html)<? super [E](http://docs.google.com/org/apache/commons/collections4/functors/ChainedClosure.html)>[] getClosures() Gets the closures.Returns: a copy of the closures Since: 3.1

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