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org.apache.commons.beanutils

## Class ResultSetIterator

* [java.lang.Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)
  + org.apache.commons.beanutils.ResultSetIterator
* All Implemented Interfaces: [Iterator](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true)<[DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html)>, [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html)  
    
  public class ResultSetIterator  
  extends [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)  
  implements [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html), [Iterator](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true)<[DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html)>  
  Implementation of java.util.Iterator returned by the iterator() method of [ResultSetDynaClass](http://docs.google.com/org/apache/commons/beanutils/ResultSetDynaClass.html). Each object returned by this iterator will be a [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) that represents a single row from the result set being wrapped.Version: $Id$

### Field SummaryFields

|  |  |
| --- | --- |
| * + Modifier and Type | * + Field and Description |
| * + protected boolean | * + [current](http://docs.google.com/org/apache/commons/beanutils/ResultSetIterator.html#current) Flag indicating whether the result set is currently positioned at a row for which we have not yet returned an element in the iteration. |
| * + protected [ResultSetDynaClass](http://docs.google.com/org/apache/commons/beanutils/ResultSetDynaClass.html) | * + [dynaClass](http://docs.google.com/org/apache/commons/beanutils/ResultSetIterator.html#dynaClass) The [ResultSetDynaClass](http://docs.google.com/org/apache/commons/beanutils/ResultSetDynaClass.html) we are associated with. |
| * + protected boolean | * + [eof](http://docs.google.com/org/apache/commons/beanutils/ResultSetIterator.html#eof) Flag indicating whether the result set has indicated that there are no further rows. |

### Method SummaryAll Methods Instance Methods Concrete Methods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + protected void | * + [advance](http://docs.google.com/org/apache/commons/beanutils/ResultSetIterator.html#advance--)() Advance the result set to the next row, if there is not a current row (and if we are not already at eof). |
| * + boolean | * + [contains](http://docs.google.com/org/apache/commons/beanutils/ResultSetIterator.html#contains-java.lang.String-java.lang.String-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) key) Does the specified mapped property contain a value for the specified key value? |
| * + [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) | * + [get](http://docs.google.com/org/apache/commons/beanutils/ResultSetIterator.html#get-java.lang.String-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name) Return the value of a simple property with the specified name. |
| * + [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) | * + [get](http://docs.google.com/org/apache/commons/beanutils/ResultSetIterator.html#get-java.lang.String-int-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, int index) Return the value of an indexed property with the specified name. |
| * + [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) | * + [get](http://docs.google.com/org/apache/commons/beanutils/ResultSetIterator.html#get-java.lang.String-java.lang.String-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) key) Return the value of a mapped property with the specified name, or null if there is no value for the specified key. |
| * + [DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html) | * + [getDynaClass](http://docs.google.com/org/apache/commons/beanutils/ResultSetIterator.html#getDynaClass--)() Return the DynaClass instance that describes the set of properties available for this DynaBean. |
| * + boolean | * + [hasNext](http://docs.google.com/org/apache/commons/beanutils/ResultSetIterator.html#hasNext--)() Return true if the iteration has more elements. |
| * + [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) | * + [next](http://docs.google.com/org/apache/commons/beanutils/ResultSetIterator.html#next--)() Return the next element in the iteration. |
| * + void | * + [remove](http://docs.google.com/org/apache/commons/beanutils/ResultSetIterator.html#remove--)() Remove the current element from the iteration. |
| * + void | * + [remove](http://docs.google.com/org/apache/commons/beanutils/ResultSetIterator.html#remove-java.lang.String-java.lang.String-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) key) Remove any existing value for the specified key on the specified mapped property. |
| * + void | * + [set](http://docs.google.com/org/apache/commons/beanutils/ResultSetIterator.html#set-java.lang.String-int-java.lang.Object-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, int index, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) value) Set the value of an indexed property with the specified name. |
| * + void | * + [set](http://docs.google.com/org/apache/commons/beanutils/ResultSetIterator.html#set-java.lang.String-java.lang.Object-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) value) Set the value of a simple property with the specified name. |
| * + void | * + [set](http://docs.google.com/org/apache/commons/beanutils/ResultSetIterator.html#set-java.lang.String-java.lang.String-java.lang.Object-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) key, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) value) Set the value of a mapped property with the specified name. |

### 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-)

### Methods inherited from interface java.util.[**Iterator**](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true)[forEachRemaining](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true#forEachRemaining-java.util.function.Consumer-)

### Field Detail

#### current protected boolean current Flag indicating whether the result set is currently positioned at a row for which we have not yet returned an element in the iteration.

#### dynaClass protected [ResultSetDynaClass](http://docs.google.com/org/apache/commons/beanutils/ResultSetDynaClass.html) dynaClass The [ResultSetDynaClass](http://docs.google.com/org/apache/commons/beanutils/ResultSetDynaClass.html) we are associated with.

#### eof protected boolean eof Flag indicating whether the result set has indicated that there are no further rows.

### Method Detail

#### contains public boolean contains([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) key) Does the specified mapped property contain a value for the specified key value?Specified by: [contains](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html#contains-java.lang.String-java.lang.String-) in interface [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) Parameters: name - Name of the property to check key - Name of the key to check Returns: true if the mapped property contains a value for the specified key, otherwise false Throws: [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if there is no property of the specified name

#### get public [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) get([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name) Return the value of a simple property with the specified name.Specified by: [get](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html#get-java.lang.String-) in interface [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) Parameters: name - Name of the property whose value is to be retrieved Returns: The property's value Throws: [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if there is no property of the specified name

#### get public [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) get([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, int index) Return the value of an indexed property with the specified name.Specified by: [get](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html#get-java.lang.String-int-) in interface [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) Parameters: name - Name of the property whose value is to be retrieved index - Index of the value to be retrieved Returns: The indexed property's value Throws: [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if there is no property of the specified name [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if the specified property exists, but is not indexed [IndexOutOfBoundsException](https://docs.oracle.com/javase/7/docs/api/java/lang/IndexOutOfBoundsException.html?is-external=true) - if the specified index is outside the range of the underlying property [NullPointerException](https://docs.oracle.com/javase/7/docs/api/java/lang/NullPointerException.html?is-external=true) - if no array or List has been initialized for this property

#### get public [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) get([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) key) Return the value of a mapped property with the specified name, or null if there is no value for the specified key.Specified by: [get](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html#get-java.lang.String-java.lang.String-) in interface [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) Parameters: name - Name of the property whose value is to be retrieved key - Key of the value to be retrieved Returns: The mapped property's value Throws: [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if there is no property of the specified name [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if the specified property exists, but is not mapped

#### getDynaClass public [DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html) getDynaClass() Return the DynaClass instance that describes the set of properties available for this DynaBean.Specified by: [getDynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html#getDynaClass--) in interface [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) Returns: The associated DynaClass

#### remove public void remove([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) key) Remove any existing value for the specified key on the specified mapped property.Specified by: [remove](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html#remove-java.lang.String-java.lang.String-) in interface [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) Parameters: name - Name of the property for which a value is to be removed key - Key of the value to be removed Throws: [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if there is no property of the specified name

#### set public void set([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) value) Set the value of a simple property with the specified name.Specified by: [set](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html#set-java.lang.String-java.lang.Object-) in interface [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) Parameters: name - Name of the property whose value is to be set value - Value to which this property is to be set Throws: [ConversionException](http://docs.google.com/org/apache/commons/beanutils/ConversionException.html) - if the specified value cannot be converted to the type required for this property [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if there is no property of the specified name [NullPointerException](https://docs.oracle.com/javase/7/docs/api/java/lang/NullPointerException.html?is-external=true) - if an attempt is made to set a primitive property to null

#### set public void set([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, int index, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) value) Set the value of an indexed property with the specified name.Specified by: [set](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html#set-java.lang.String-int-java.lang.Object-) in interface [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) Parameters: name - Name of the property whose value is to be set index - Index of the property to be set value - Value to which this property is to be set Throws: [ConversionException](http://docs.google.com/org/apache/commons/beanutils/ConversionException.html) - if the specified value cannot be converted to the type required for this property [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if there is no property of the specified name [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if the specified property exists, but is not indexed [IndexOutOfBoundsException](https://docs.oracle.com/javase/7/docs/api/java/lang/IndexOutOfBoundsException.html?is-external=true) - if the specified index is outside the range of the underlying property

#### set public void set([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) key, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) value) Set the value of a mapped property with the specified name.Specified by: [set](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html#set-java.lang.String-java.lang.String-java.lang.Object-) in interface [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) Parameters: name - Name of the property whose value is to be set key - Key of the property to be set value - Value to which this property is to be set Throws: [ConversionException](http://docs.google.com/org/apache/commons/beanutils/ConversionException.html) - if the specified value cannot be converted to the type required for this property [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if there is no property of the specified name [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if the specified property exists, but is not mapped

#### hasNext public boolean hasNext() Return true if the iteration has more elements.Specified by: [hasNext](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true#hasNext--) in interface [Iterator](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true)<[DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html)> Returns: true if the result set has another row, otherwise false

#### next public [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) next() Return the next element in the iteration.Specified by: [next](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true#next--) in interface [Iterator](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true)<[DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html)> Returns: advance to the new row and return this

#### remove public void remove() Remove the current element from the iteration. This method is not supported.Specified by: [remove](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true#remove--) in interface [Iterator](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true)<[DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html)>

#### advance protected void advance() throws [SQLException](https://docs.oracle.com/javase/7/docs/api/java/sql/SQLException.html?is-external=true) Advance the result set to the next row, if there is not a current row (and if we are not already at eof).Throws: [SQLException](https://docs.oracle.com/javase/7/docs/api/java/sql/SQLException.html?is-external=true) - if the result set throws an exception

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