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org.apache.commons.collections4.keyvalue

## Class AbstractKeyValue<K,V>

* [java.lang.Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)
  + org.apache.commons.collections4.keyvalue.AbstractKeyValue<K,V>
* Type Parameters: K - the type of keys V - the type of values All Implemented Interfaces: [KeyValue](http://docs.google.com/org/apache/commons/collections4/KeyValue.html)<K,V> Direct Known Subclasses: [AbstractMapEntry](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntry.html), [DefaultKeyValue](http://docs.google.com/org/apache/commons/collections4/keyvalue/DefaultKeyValue.html)  
    
  public abstract class AbstractKeyValue<K,V>  
  extends [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)  
  implements [KeyValue](http://docs.google.com/org/apache/commons/collections4/KeyValue.html)<K,V>  
  Abstract pair class to assist with creating KeyValue and [Map.Entry](https://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html?is-external=true) implementations.Since: 3.0

### Constructor SummaryConstructors

|  |  |
| --- | --- |
| * + Modifier | * + Constructor and Description |
| * + protected | * + [AbstractKeyValue](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractKeyValue.html#AbstractKeyValue-K-V-)([K](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractKeyValue.html) key, [V](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractKeyValue.html) value) Constructs a new pair with the specified key and given value. |

### Method SummaryAll Methods Instance Methods Concrete Methods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + [K](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractKeyValue.html) | * + [getKey](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractKeyValue.html#getKey--)() Gets the key from the pair. |
| * + [V](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractKeyValue.html) | * + [getValue](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractKeyValue.html#getValue--)() Gets the value from the pair. |
| * + protected [K](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractKeyValue.html) | * + [setKey](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractKeyValue.html#setKey-K-)([K](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractKeyValue.html) key) |
| * + protected [V](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractKeyValue.html) | * + [setValue](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractKeyValue.html#setValue-V-)([V](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractKeyValue.html) value) |
| * + [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) | * + [toString](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractKeyValue.html#toString--)() Gets a debugging String view of the pair. |

### 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--), [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

#### AbstractKeyValue protected AbstractKeyValue([K](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractKeyValue.html) key, [V](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractKeyValue.html) value) Constructs a new pair with the specified key and given value.Parameters: key - the key for the entry, may be null value - the value for the entry, may be null

### Method Detail

#### getKey public [K](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractKeyValue.html) getKey() Gets the key from the pair.Specified by: [getKey](http://docs.google.com/org/apache/commons/collections4/KeyValue.html#getKey--) in interface [KeyValue](http://docs.google.com/org/apache/commons/collections4/KeyValue.html)<[K](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractKeyValue.html),[V](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractKeyValue.html)> Returns: the key

#### setKey protected [K](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractKeyValue.html) setKey([K](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractKeyValue.html) key)

#### getValue public [V](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractKeyValue.html) getValue() Gets the value from the pair.Specified by: [getValue](http://docs.google.com/org/apache/commons/collections4/KeyValue.html#getValue--) in interface [KeyValue](http://docs.google.com/org/apache/commons/collections4/KeyValue.html)<[K](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractKeyValue.html),[V](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractKeyValue.html)> Returns: the value

#### setValue protected [V](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractKeyValue.html) setValue([V](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractKeyValue.html) value)

#### toString public [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) toString() Gets a debugging String view of the pair.Overrides: [toString](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#toString--) in class [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) Returns: a String view of the entry

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