| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ObjectInputStream.GetField.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/java/io/ObjectInputStream.html)   [**NEXT CLASS**](http://docs.google.com/java/io/ObjectInputValidation.html) | [**FRAMES**](http://docs.google.com/index.html?java/io/ObjectInputStream.GetField.html)    [**NO FRAMES**](http://docs.google.com/ObjectInputStream.GetField.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

## **java.io**

Class ObjectInputStream.GetField

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **java.io.ObjectInputStream.GetField**

**Enclosing class:**[ObjectInputStream](http://docs.google.com/java/io/ObjectInputStream.html)

public abstract static class **ObjectInputStream.GetField**extends [Object](http://docs.google.com/java/lang/Object.html)

Provide access to the persistent fields read from the input stream.

| **Constructor Summary** | |
| --- | --- |
| [**ObjectInputStream.GetField**](http://docs.google.com/java/io/ObjectInputStream.GetField.html#ObjectInputStream.GetField())() |

| **Method Summary** | |
| --- | --- |
| abstract  boolean | [**defaulted**](http://docs.google.com/java/io/ObjectInputStream.GetField.html#defaulted(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Return true if the named field is defaulted and has no value in this stream. |
| abstract  boolean | [**get**](http://docs.google.com/java/io/ObjectInputStream.GetField.html#get(java.lang.String,%20boolean))([String](http://docs.google.com/java/lang/String.html) name, boolean val)            Get the value of the named boolean field from the persistent field. |
| abstract  byte | [**get**](http://docs.google.com/java/io/ObjectInputStream.GetField.html#get(java.lang.String,%20byte))([String](http://docs.google.com/java/lang/String.html) name, byte val)            Get the value of the named byte field from the persistent field. |
| abstract  char | [**get**](http://docs.google.com/java/io/ObjectInputStream.GetField.html#get(java.lang.String,%20char))([String](http://docs.google.com/java/lang/String.html) name, char val)            Get the value of the named char field from the persistent field. |
| abstract  double | [**get**](http://docs.google.com/java/io/ObjectInputStream.GetField.html#get(java.lang.String,%20double))([String](http://docs.google.com/java/lang/String.html) name, double val)            Get the value of the named double field from the persistent field. |
| abstract  float | [**get**](http://docs.google.com/java/io/ObjectInputStream.GetField.html#get(java.lang.String,%20float))([String](http://docs.google.com/java/lang/String.html) name, float val)            Get the value of the named float field from the persistent field. |
| abstract  int | [**get**](http://docs.google.com/java/io/ObjectInputStream.GetField.html#get(java.lang.String,%20int))([String](http://docs.google.com/java/lang/String.html) name, int val)            Get the value of the named int field from the persistent field. |
| abstract  long | [**get**](http://docs.google.com/java/io/ObjectInputStream.GetField.html#get(java.lang.String,%20long))([String](http://docs.google.com/java/lang/String.html) name, long val)            Get the value of the named long field from the persistent field. |
| abstract  [Object](http://docs.google.com/java/lang/Object.html) | [**get**](http://docs.google.com/java/io/ObjectInputStream.GetField.html#get(java.lang.String,%20java.lang.Object))([String](http://docs.google.com/java/lang/String.html) name, [Object](http://docs.google.com/java/lang/Object.html) val)            Get the value of the named Object field from the persistent field. |
| abstract  short | [**get**](http://docs.google.com/java/io/ObjectInputStream.GetField.html#get(java.lang.String,%20short))([String](http://docs.google.com/java/lang/String.html) name, short val)            Get the value of the named short field from the persistent field. |
| abstract  [ObjectStreamClass](http://docs.google.com/java/io/ObjectStreamClass.html) | [**getObjectStreamClass**](http://docs.google.com/java/io/ObjectInputStream.GetField.html#getObjectStreamClass())()            Get the ObjectStreamClass that describes the fields in the stream. |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [clone](http://docs.google.com/java/lang/Object.html#clone()), [equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [hashCode](http://docs.google.com/java/lang/Object.html#hashCode()), [notify](http://docs.google.com/java/lang/Object.html#notify()), [notifyAll](http://docs.google.com/java/lang/Object.html#notifyAll()), [toString](http://docs.google.com/java/lang/Object.html#toString()), [wait](http://docs.google.com/java/lang/Object.html#wait()), [wait](http://docs.google.com/java/lang/Object.html#wait(long)), [wait](http://docs.google.com/java/lang/Object.html#wait(long,%20int)) |

| **Constructor Detail** |
| --- |

### ObjectInputStream.GetField

public **ObjectInputStream.GetField**()

| **Method Detail** |
| --- |

### getObjectStreamClass

public abstract [ObjectStreamClass](http://docs.google.com/java/io/ObjectStreamClass.html) **getObjectStreamClass**()

Get the ObjectStreamClass that describes the fields in the stream.

**Returns:**the descriptor class that describes the serializable fields

### defaulted

public abstract boolean **defaulted**([String](http://docs.google.com/java/lang/String.html) name)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Return true if the named field is defaulted and has no value in this stream.

**Parameters:**name - the name of the field **Returns:**true, if and only if the named field is defaulted **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if there are I/O errors while reading from the underlying InputStream [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if name does not correspond to a serializable field

### get

public abstract boolean **get**([String](http://docs.google.com/java/lang/String.html) name,  
 boolean val)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Get the value of the named boolean field from the persistent field.

**Parameters:**name - the name of the fieldval - the default value to use if name does not have a value **Returns:**the value of the named boolean field **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if there are I/O errors while reading from the underlying InputStream [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if type of name is not serializable or if the field type is incorrect

### get

public abstract byte **get**([String](http://docs.google.com/java/lang/String.html) name,  
 byte val)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Get the value of the named byte field from the persistent field.

**Parameters:**name - the name of the fieldval - the default value to use if name does not have a value **Returns:**the value of the named byte field **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if there are I/O errors while reading from the underlying InputStream [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if type of name is not serializable or if the field type is incorrect

### get

public abstract char **get**([String](http://docs.google.com/java/lang/String.html) name,  
 char val)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Get the value of the named char field from the persistent field.

**Parameters:**name - the name of the fieldval - the default value to use if name does not have a value **Returns:**the value of the named char field **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if there are I/O errors while reading from the underlying InputStream [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if type of name is not serializable or if the field type is incorrect

### get

public abstract short **get**([String](http://docs.google.com/java/lang/String.html) name,  
 short val)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Get the value of the named short field from the persistent field.

**Parameters:**name - the name of the fieldval - the default value to use if name does not have a value **Returns:**the value of the named short field **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if there are I/O errors while reading from the underlying InputStream [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if type of name is not serializable or if the field type is incorrect

### get

public abstract int **get**([String](http://docs.google.com/java/lang/String.html) name,  
 int val)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Get the value of the named int field from the persistent field.

**Parameters:**name - the name of the fieldval - the default value to use if name does not have a value **Returns:**the value of the named int field **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if there are I/O errors while reading from the underlying InputStream [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if type of name is not serializable or if the field type is incorrect

### get

public abstract long **get**([String](http://docs.google.com/java/lang/String.html) name,  
 long val)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Get the value of the named long field from the persistent field.

**Parameters:**name - the name of the fieldval - the default value to use if name does not have a value **Returns:**the value of the named long field **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if there are I/O errors while reading from the underlying InputStream [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if type of name is not serializable or if the field type is incorrect

### get

public abstract float **get**([String](http://docs.google.com/java/lang/String.html) name,  
 float val)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Get the value of the named float field from the persistent field.

**Parameters:**name - the name of the fieldval - the default value to use if name does not have a value **Returns:**the value of the named float field **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if there are I/O errors while reading from the underlying InputStream [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if type of name is not serializable or if the field type is incorrect

### get

public abstract double **get**([String](http://docs.google.com/java/lang/String.html) name,  
 double val)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Get the value of the named double field from the persistent field.

**Parameters:**name - the name of the fieldval - the default value to use if name does not have a value **Returns:**the value of the named double field **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if there are I/O errors while reading from the underlying InputStream [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if type of name is not serializable or if the field type is incorrect

### get

public abstract [Object](http://docs.google.com/java/lang/Object.html) **get**([String](http://docs.google.com/java/lang/String.html) name,  
 [Object](http://docs.google.com/java/lang/Object.html) val)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Get the value of the named Object field from the persistent field.

**Parameters:**name - the name of the fieldval - the default value to use if name does not have a value **Returns:**the value of the named Object field **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if there are I/O errors while reading from the underlying InputStream [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if type of name is not serializable or if the field type is incorrect

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ObjectInputStream.GetField.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/java/io/ObjectInputStream.html)   [**NEXT CLASS**](http://docs.google.com/java/io/ObjectInputValidation.html) | [**FRAMES**](http://docs.google.com/index.html?java/io/ObjectInputStream.GetField.html)    [**NO FRAMES**](http://docs.google.com/ObjectInputStream.GetField.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

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