| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ObjectInput.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/NotSerializableException.html)   [**NEXT CLASS**](http://docs.google.com/java/io/ObjectInputStream.html) | [**FRAMES**](http://docs.google.com/index.html?java/io/ObjectInput.html)    [**NO FRAMES**](http://docs.google.com/ObjectInput.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#tyjcwt) |

## **java.io**

Interface ObjectInput

**All Superinterfaces:** [DataInput](http://docs.google.com/java/io/DataInput.html) **All Known Implementing Classes:** [ObjectInputStream](http://docs.google.com/java/io/ObjectInputStream.html)

public interface **ObjectInput**extends [DataInput](http://docs.google.com/java/io/DataInput.html)

ObjectInput extends the DataInput interface to include the reading of objects. DataInput includes methods for the input of primitive types, ObjectInput extends that interface to include objects, arrays, and Strings.

**Since:** JDK1.1 **See Also:**[InputStream](http://docs.google.com/java/io/InputStream.html), [ObjectOutputStream](http://docs.google.com/java/io/ObjectOutputStream.html), [ObjectInputStream](http://docs.google.com/java/io/ObjectInputStream.html)

| **Method Summary** | |
| --- | --- |
| int | [**available**](http://docs.google.com/java/io/ObjectInput.html#available())()            Returns the number of bytes that can be read without blocking. |
| void | [**close**](http://docs.google.com/java/io/ObjectInput.html#close())()            Closes the input stream. |
| int | [**read**](http://docs.google.com/java/io/ObjectInput.html#read())()            Reads a byte of data. |
| int | [**read**](http://docs.google.com/java/io/ObjectInput.html#read(byte%5B%5D))(byte[] b)            Reads into an array of bytes. |
| int | [**read**](http://docs.google.com/java/io/ObjectInput.html#read(byte%5B%5D,%20int,%20int))(byte[] b, int off, int len)            Reads into an array of bytes. |
| [Object](http://docs.google.com/java/lang/Object.html) | [**readObject**](http://docs.google.com/java/io/ObjectInput.html#readObject())()            Read and return an object. |
| long | [**skip**](http://docs.google.com/java/io/ObjectInput.html#skip(long))(long n)            Skips n bytes of input. |

| **Methods inherited from interface java.io.**[**DataInput**](http://docs.google.com/java/io/DataInput.html) |
| --- |
| [readBoolean](http://docs.google.com/java/io/DataInput.html#readBoolean()), [readByte](http://docs.google.com/java/io/DataInput.html#readByte()), [readChar](http://docs.google.com/java/io/DataInput.html#readChar()), [readDouble](http://docs.google.com/java/io/DataInput.html#readDouble()), [readFloat](http://docs.google.com/java/io/DataInput.html#readFloat()), [readFully](http://docs.google.com/java/io/DataInput.html#readFully(byte%5B%5D)), [readFully](http://docs.google.com/java/io/DataInput.html#readFully(byte%5B%5D,%20int,%20int)), [readInt](http://docs.google.com/java/io/DataInput.html#readInt()), [readLine](http://docs.google.com/java/io/DataInput.html#readLine()), [readLong](http://docs.google.com/java/io/DataInput.html#readLong()), [readShort](http://docs.google.com/java/io/DataInput.html#readShort()), [readUnsignedByte](http://docs.google.com/java/io/DataInput.html#readUnsignedByte()), [readUnsignedShort](http://docs.google.com/java/io/DataInput.html#readUnsignedShort()), [readUTF](http://docs.google.com/java/io/DataInput.html#readUTF()), [skipBytes](http://docs.google.com/java/io/DataInput.html#skipBytes(int)) |

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

### readObject

[Object](http://docs.google.com/java/lang/Object.html) **readObject**()  
 throws [ClassNotFoundException](http://docs.google.com/java/lang/ClassNotFoundException.html),  
 [IOException](http://docs.google.com/java/io/IOException.html)

Read and return an object. The class that implements this interface defines where the object is "read" from.

**Returns:**the object read from the stream **Throws:** [ClassNotFoundException](http://docs.google.com/java/lang/ClassNotFoundException.html) - If the class of a serialized object cannot be found. [IOException](http://docs.google.com/java/io/IOException.html) - If any of the usual Input/Output related exceptions occur.

### read

int **read**()  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Reads a byte of data. This method will block if no input is available.

**Returns:**the byte read, or -1 if the end of the stream is reached. **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - If an I/O error has occurred.

### read

int **read**(byte[] b)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Reads into an array of bytes. This method will block until some input is available.

**Parameters:**b - the buffer into which the data is read **Returns:**the actual number of bytes read, -1 is returned when the end of the stream is reached. **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - If an I/O error has occurred.

### read

int **read**(byte[] b,  
 int off,  
 int len)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Reads into an array of bytes. This method will block until some input is available.

**Parameters:**b - the buffer into which the data is readoff - the start offset of the datalen - the maximum number of bytes read **Returns:**the actual number of bytes read, -1 is returned when the end of the stream is reached. **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - If an I/O error has occurred.

### skip

long **skip**(long n)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Skips n bytes of input.

**Parameters:**n - the number of bytes to be skipped **Returns:**the actual number of bytes skipped. **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - If an I/O error has occurred.

### available

int **available**()  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Returns the number of bytes that can be read without blocking.

**Returns:**the number of available bytes. **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - If an I/O error has occurred.

### close

void **close**()  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Closes the input stream. Must be called to release any resources associated with the stream.

**Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - If an I/O error has occurred.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ObjectInput.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*** |
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[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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