

STREAM CLASS CONSTRUCTORS - A QUICK REFERENCE

This is a quick reference of constructors for various Stream classes. You can quickly find out what all type of resources or streams a Stream class can be attached with. For instance, a `BufferedReader` do not have a constructor that can accept an `InputStream`, however an `InputStreamReader` has such a constructor that can accept an `InputStream`. So to use an `InputStream` such as `System.in`, we can attach it to an `InputStreamReader` and then attach the `InputStreamReader` to a `BufferedReader` as:

```
BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
```

InputStream Classes

AudioInputStream

- `AudioInputStream(InputStream stream, AudioFormat format, long length)`
- `AudioInputStream(TargetDataLine line)`

ByteArrayInputStream

- `ByteArrayInputStream(byte[] buf)`
- `ByteArrayInputStream(byte[] buf, int offset, int length)`

FileInputStream

- `FileInputStream(File file)`
- `FileInputStream(FileDescriptor fdObj)`
- `FileInputStream(String name)`

FilterInputStream

- `FilterInputStream(InputStream in)`

ObjectInputStream

- `ObjectInputStream()`
- `ObjectInputStream(InputStream in)`

PipedInputStream

- `PipedInputStream()`
- `PipedInputStream(int pipeSize)`
- `PipedInputStream(PipedOutputStream src)`

- PipedInputStream(PipedOutputStream src, int pipeSize)

SequenceInputStream

- SequenceInputStream(Enumeration<? extends InputStream> e)
- SequenceInputStream(InputStream s1, InputStream s2)

FilterInputStream Subclasses

BufferedInputStream

- BufferedInputStream(InputStream in)
- BufferedInputStream(InputStream in, int size)

CheckedInputStream

- CheckedInputStream(InputStream in, Checksum cksum)

CipherInputStream

- CipherInputStream(InputStream is)
- CipherInputStream(InputStream is, Cipher c)

DataInputStream

- DataInputStream(InputStream in)

DeflaterInputStream

- DeflaterInputStream(InputStream in)
- DeflaterInputStream(InputStream in, Deflater defl)
- DeflaterInputStream(InputStream in, Deflater defl, int bufLen)

DigestInputStream

- DigestInputStream(InputStream stream, MessageDigest digest)

InflaterInputStream

- InflaterInputStream(InputStream in)
- InflaterInputStream(InputStream in, Inflater inf)
- InflaterInputStream(InputStream in, Inflater inf, int size)

ProgressMonitorInputStream

- ProgressMonitorInputStream(Component parentComponent, Object message, InputStream in)

PushbackInputStream

- PushbackInputStream(InputStream in)

- `PushbackInputStream(InputStream in, int size)`

OutputStream Classes

ByteArrayOutputStream

- `ByteArrayOutputStream()`
- `ByteArrayOutputStream(int size)`

FileOutputStream

- `FileOutputStream(File file)`
- `FileOutputStream(File file, boolean append)`
- `FileOutputStream(FileDescriptor fdObj)`
- `FileOutputStream(String name)`
- `FileOutputStream(String name, boolean append)`

FilterOutputStream

- `FilterOutputStream(OutputStream out)`

ObjectOutputStream

- `ObjectOutputStream()`
- `ObjectOutputStream(OutputStream out)`

OutputStream

- `OutputStream()`

PipedOutputStream

- `PipedOutputStream()`
- `PipedOutputStream(PipedInputStream snk)`

FilterOutputStream Subclasses

PrintStream

- `PrintStream(File file)`
- `PrintStream(File file, String csn)`
- `PrintStream(OutputStream out)`
- `PrintStream(OutputStream out, boolean autoFlush)`

- `PrintStream(OutputStream out, boolean autoFlush, String encoding)`
- `PrintStream(String fileName)`
- `PrintStream(String fileName, String csn)`

BufferedOutputStream

- `BufferedOutputStream(OutputStream out)`
- `BufferedOutputStream(OutputStream out, int size)`

CheckedOutputStream

- `CheckedOutputStream(OutputStream out, Checksum cksum)`

CipherOutputStream

- `CipherOutputStream(OutputStream os)`
- `CipherOutputStream(OutputStream os, Cipher c)`

DataOutputStream

- `DataOutputStream(OutputStream out)`

DeflaterOutputStream

- `DeflaterOutputStream(OutputStream out)`
- `DeflaterOutputStream(OutputStream out, boolean syncFlush)`
- `DeflaterOutputStream(OutputStream out, Deflater def)`
- `DeflaterOutputStream(OutputStream out, Deflater def, boolean syncFlush)`
- `DeflaterOutputStream(OutputStream out, Deflater def, int size)`
- `DeflaterOutputStream(OutputStream out, Deflater def, int size, boolean syncFlush)`

DigestOutputStream

- `DigestOutputStream(OutputStream stream, MessageDigest digest)`

InflaterOutputStream

- `InflaterOutputStream(OutputStream out)`
- `InflaterOutputStream(OutputStream out, Inflater infl)`
- `InflaterOutputStream(OutputStream out, Inflater infl, int bufLen)`

Reader Classes

BufferedReader

- `BufferedReader(Reader in)`
- `BufferedReader(Reader in, int sz)`

CharArrayReader

- `CharArrayReader(char[] buf)`
- `CharArrayReader(char[] buf, int offset, int length)`

FilterReader

- `FilterReader(Reader in)`

InputStreamReader

- `InputStreamReader(InputStream in)`
- `InputStreamReader(InputStream in, Charset cs)`
- `InputStreamReader(InputStream in, CharsetDecoder dec)`
- `InputStreamReader(InputStream in, String charsetName)`

PipedReader

- `PipedReader()`
- `PipedReader(int pipeSize)`
- `PipedReader(PipedWriter src)`
- `PipedReader(PipedWriter src, int pipeSize)`

StringReader

`StringReader(String s)`

LineNumberReader

- `LineNumberReader(Reader in)`
- `LineNumberReader(Reader in, int sz)`

PushbackReader

- `PushbackReader(Reader in)`
- `PushbackReader(Reader in, int size)`

FileReader

- `FileReader(File file)`
- `FileReader(FileDescriptor fd)`

- `FileReader(String fileName)`

Writer Classes

BufferedWriter

- `BufferedWriter(Writer out)`
- `BufferedWriter(Writer out, int sz)`

CharArrayWriter

- `CharArrayWriter()`
- `CharArrayWriter(int initialSize)`

FilterWriter

- `FilterWriter(Writer out)`

OutputStreamWriter

- `OutputStreamWriter(OutputStream out)`
- `OutputStreamWriter(OutputStream out, Charset cs)`
- `OutputStreamWriter(OutputStream out, CharsetEncoder enc)`
- `OutputStreamWriter(OutputStream out, String charsetName)`

PipedWriter

- `PipedWriter()`
- `PipedWriter(PipedReader snk)`

PrintWriter

- `PrintWriter(File file)`
- `PrintWriter(File file, String csn)`
- `PrintWriter(OutputStream out)`
- `PrintWriter(OutputStream out, boolean autoFlush)`
- `PrintWriter(String fileName)`
- `PrintWriter(String fileName, String csn)`
- `PrintWriter(Writer out)`
- `PrintWriter(Writer out, boolean autoFlush)`

StringWriter

- `StringWriter()`
- `StringWriter(int initialSize)`

FileWriter

- `FileWriter(File file)`
- `FileWriter(File file, boolean append)`
- `FileWriter(FileDescriptor fd)`
- `FileWriter(String fileName)`
- `FileWriter(String fileName, boolean append)`

Source : <http://javajee.com/stream-class-constructors-a-quick-reference>