Class java.io.PipedInputStream

```
java.lang.Object
   |
   +----java.io.InputStream
           |
           +----java.io.PipedInputStream
```

---

public class **PipedInputStream**
extends InputStream

PipedInputStream must be connected to a PipedOutputStream to be useful. A thread reading from a PipedInputStream recieves data from a thread writing to the PipedOutputStream it is connected to.

See Also:
PipedOutputStream
Version:
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Author:
James Gosling

Constructor Index

o **PipedInputStream**(PipedOutputStream)
Creates an input file from the specified PiledOutputStream.
o **PipedInputStream**()
Creates an input file that isn't connected to anything (yet).

Method Index

o **close**()
Closes the input stream.
o **connect**(PipedOutputStream)
Connects this input stream to a sender.
o **read**()
Reads a byte of data.
o **read**(byte[], int, int)
Reads into an array of bytes.

Constructors

o **PipedInputStream**

```
public PipedInputStream(PipedOutputStream src) throws IOException
```

Creates an input file from the specified PiledOutputStream.
Parameters:
src – the stream to connect to.

o **PipedInputStream**

```
public PipedInputStream()
```

Creates an input file that isn't connected to anything (yet). It must be connected to a PipedOutputStream before being used.

Methods

o **connect**

```
public void connect(PipedOutputStream src) throws IOException
```

Connects this input stream to a sender.
Parameters:
src – The OutputStream to connect to.

o **read**

```
public synchronized int read() throws IOException
```

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
If the pipe is broken.
Overrides:
read in class InputStream

o **read**

```
public synchronized int read(byte b[],
                             int off,
                             int len) throws IOException
```

Reads into an array of bytes. Blocks until some input is available.
Parameters:
b – the buffer into which the data is read

off – the start offset of the data
len – 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

If an I/O error has occurred.

Overrides:

read in class InputStream

o **close**

```
public void close() throws IOException
```

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

Throws: IOException

If an I/O error has occurred.

Overrides:

close in class InputStream