# JAVA.IO.PIPEDOUTPUTSTREAM CLASS

## Introduction

The **Java.io.PipedOutputStream** class is a piped output stream that can be connected to a piped input stream to create a communications pipe.Following are the important points about PipedOutputStream:

- The piped output stream is the sending end of the pipe.

- Attempting to use both objects from a single thread is not recommended as it may deadlock the thread.

- Data is written to a PipedOutputStream object by one thread and data is read from the connected PipedInputStream by some other thread.

- The pipe is said to be broken if a thread that was reading data bytes from the connected piped input stream is no longer alive.

## Class declaration

Following is the declaration for **Java.io.PipedOutputStream** class:

```
public class PipedOutputStream
   extends OutputStream
```

## Class constructors

| S.N. | Constructor & Description |
|------|---------------------------|
| 1 | **PipedOutputStream**<br><br>This creates a piped output stream that is not yet connected to a piped input stream. |
| 2 | **PipedOutputStream***PipedInputStreamsnk*<br><br>This creates a piped output stream connected to the specified piped input stream. |

## Class methods

| S.N. | Method & Description |
|------|----------------------|
| 1 | [void close](#)<br><br>This method closes this piped output stream and releases any system resources associated with this stream. |
| 2 | [void connect*PipedInputStreamsnk*](#)<br><br>This method connects this piped output stream to a receiver. |
| 3 | |

[void flush](#)

This method flushes this output stream and forces any buffered output bytes to be written out.

4

[void write](#)*byte[]b, intoff, intlen*

This method writes *len* bytes from the specified byte array starting at offset off to this piped output stream.

5

[void write](#)*intb*

This method writes the specified byte to the piped output stream.

## Methods inherited

This class inherits methods from the following classes:

- Java.io.OutputStream
- Java.io.Object

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