

JAVA.IO.PUSHBACKINPUTSTREAM CLASS

http://www.tutorialspoint.com/java/io/java_io_pushbackinputstream.htm

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Introduction

The **Java.io.PushbackInputStream** class adds functionality to another input stream, namely the ability to "push back" or "unread" one byte.

Class declaration

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

```
public class PushbackInputStream
    extends FilterInputStream
```

Field

Following are the fields for **Java.io.PushbackInputStream** class:

- **protected byte[] buf** -- This is the pushback buffer.
- **protected int pos** -- This is the position within the pushback buffer from which the next byte will be read.
- **protected InputStream in** -- This is the input stream to be filtered.

Class constructors

S.N. Constructor & Description

- | | |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | PushbackInputStream(InputStream in)

This creates a PushbackInputStream and saves its argument, the input stream in, for later use. |
| 2 | PushbackInputStream(InputStream in, int size)

This creates a PushbackInputStream with a pushback buffer of the specified size, and saves its argument, the input stream in, for later use. |

Class methods

S.N. Method & Description

- | | |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <u>int available</u>

This method returns an estimate of the number of bytes that can be read <i>or skipped over</i> from this input stream without blocking by the next invocation of a method for this input stream. |
| 2 | <u>void close</u>

This method closes this input stream and releases any system resources associated with |

the stream.

3

[void markintreadlimit](#)

This method marks the current position in this input stream.

4

[boolean markSupported](#)

This method tests if this input stream supports the mark and reset methods, which it does not.

5

[int read](#)

This method reads the next byte of data from this input stream.

6

[int readbyte\[\]b, intoff, intlen](#)

This method reads up to len bytes of data from this input stream into an array of bytes.

7

[void reset](#)

This method repositions this stream to the position at the time the mark method was last called on this input stream.

8

[long skiplongn](#)

This method skips over and discards n bytes of data from this input stream.

9

[void unreadbyte\[\]b](#)

This method pushes back an array of bytes by copying it to the front of the pushback buffer.

10

[void unreadbyte\[\]b, intoff, intlen](#)

This method pushes back a portion of an array of bytes by copying it to the front of the pushback buffer.

11

[void unreadintb](#)

This method pushes back a byte by copying it to the front of the pushback buffer.

Methods inherited

This class inherits methods from the following classes:

- [Java.io.FilterInputStream](#)
- [Java.io.Object](#)