

Class `java.io.PushbackInputStream`

```
java.lang.Object
|
+----java.io.InputStream
      |
      +----java.io.FilterInputStream
            |
            +----java.io.PushbackInputStream
```

public class **PushbackInputStream**
extends [FilterInputStream](#)

An input stream that has a 1 byte push back buffer.

Version:

1.11, 08/10/95

Author:

Jonathan Payne

Variable Index

o **[pushBack](#)**

Push back character.

Constructor Index

o **[PushbackInputStream](#)**(InputStream)

Creates a PushbackInputStream.

Method Index

o **[available](#)**()

Returns the number of bytes that can be read.

o **[markSupported](#)**()

Returns true if this stream type supports mark/reset.

o **[read](#)**()

- o `read()` Reads a byte of data.
- o `read(byte[], int, int)` Reads into an array of bytes.
- o `unread(int)` Pushes back a character.

Variables

o `pushBack`

```
protected int pushBack
```

Push back character.

Constructors

o `PushbackInputStream`

```
public PushbackInputStream(InputStream in)
```

Creates a `PushbackInputStream`.

Parameters:

in – the input stream

Methods

o `read`

```
public 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 an I/O error has occurred.

Overrides:

read in class FilterInputStream

o `read`

```
public int read(byte bytes[],  
                int offset,  
                int length) throws IOException
```

Reads into an array of bytes. This method 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 FilterInputStream

o unread

```
public void unread(int ch) throws IOException
```

Pushes back a character.

Parameters:

ch – the character to push back.

Throws: IOException

If an attempt to push back more than one character is made.

o available

```
public int available() throws IOException
```

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

Overrides:

available in class FilterInputStream

o markSupported

```
public boolean markSupported()
```

Returns true if this stream type supports mark/reset.

Overrides:

markSupported in class FilterInputStream