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.

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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**()

Reads a byte of data.

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

Variables

- **pushBack**

```
protected int pushBack
```

Push back character.

Constructors

- **PushbackInputStream**

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

Creates a PushbackInputStream.
Parameters:
in – the input stream

Methods

- **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

- **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