

# JAVA.IO.INPUTSTREAMREADER CLASS

[http://www.tutorialspoint.com/java/io/java\\_io\\_inputstreamreader.htm](http://www.tutorialspoint.com/java/io/java_io_inputstreamreader.htm)

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## Introduction

The **Java.io.InputStreamReader** class is a bridge from byte streams to character streams. It reads bytes and decodes them into characters using a specified charset.

## Class declaration

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

```
public class InputStreamReader  
    extends Reader
```

## Field

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

- **protected Object lock** -- This is the object used to synchronize operations on this stream.

## Class constructors

S.N.	Constructor & Description
1	<b>InputStreamReader</b> <i>InputStreamin</i> This creates an InputStreamReader that uses the default charset.
2	<b>InputStreamReader</b> <i>InputStreamin, Charsetcs</i> This creates an InputStreamReader that uses the given charset.
3	<b>InputStreamReader</b> <i>InputStreamin, CharsetDecoderdec</i> This creates an InputStreamReader that uses the given charset decoder.
4	<b>InputStreamReader</b> <i>InputStreamin, StringcharsetName</i> This creates an InputStreamReader that uses the named charset.



## Class methods

S.N.	Method & Description
1	<a href="#"><u>void close</u></a> This method closes the stream and releases any system resources associated with it.
2	<a href="#"><u>String getEncoding</u></a>

This method returns the name of the character encoding being used by this stream.

3

[int read](#)

This method reads a single character.

4

[int readchar\[\]cbuf, intoffset, intlength](#)

This method reads characters into a portion of an array.

5

[boolean ready](#)

This method tells whether this stream is ready to be read.

## Methods inherited

This class inherits methods from the following classes:

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

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