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jminusminus

Class CharReader

- [java.lang.Object](#)
 - [jminusminus.CharReader](#)

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```
class CharReader  
extends Object
```

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A buffered character reader. Abstracts out differences between platforms, mapping all new lines to '\n'. Also, keeps track of line numbers where the first line is numbered 1.

• Field Summary

Modifier and Type	Fields
	Field and Description

static char	EOFCH A representation of the end of file as a character.
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• Constructor Summary

Constructors
Constructor and Description

```
CharReader(String fileName)  
Construct a CharReader from a file  
name.
```

- **Method Summary**

Methods	
Modifier and Type	Method and Description
void	close() Close the file.
String	fileName() Return the file name.
int	line() The current line number in the source file, starting at 1.
char	nextChar() Scan the next character.

- **Methods inherited from class java.lang.Object**

`clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait`

- **Field Detail**

- **EOFCH**

`public static final char EOFCH`

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A representation of the end of file as a character.

See Also:

[Constant Field Values](#)

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- **Constructor Detail**

- **CharReader**

`public CharReader(String fileName)
throws FileNotFoundException`

Construct a CharReader from a file name.

Parameters:

`fileName` - the name of the input file.

Throws:

`FileNotFoundException` - if the file is not found.

- **Method Detail**

- **nextChar**

`public char nextChar()
throws IOException`

Scan the next character.

Returns:

the character scanned.

Throws:

`IOException` - if an I/O error occurs.

- **line**

`public int line()`

The current line number in the source file, starting at 1.

Returns:

the current line number.

- **fileName**

`public String fileName()`

Return the file name.

Returns:

the file name.

- **close**

`public void close()`
throws `IOException`

Close the file.

Throws:

`IOException` - if an I/O error occurs.

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