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jminusminus

Class SimpleCharStream

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

.

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```
public class SimpleCharStream
extends Object
```

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An implementation of interface CharStream, where the stream is assumed to contain only ASCII characters (without unicode processing).

• Field Summary

Fields	
Modifier and Type	Field and Description
(package private) int	available
protected int[]	bufcolumn
protected char[]	buffer
protected int[]	bufline
int	bufpos
(package private) int	bufsize

protected int	column
protected int	inBuf
protected Reader	inputStream
protected int	line
protected int	maxNextCharInd
protected boolean	prevCharIsCR
protected boolean	prevCharIsLF
static boolean	staticFlag
protected int	tabSize
(package private) int tokenBegin	

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• Constructor Summary

Constructors

Constructor and Description

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SimpleCharStream(InputStream dstream)

SimpleCharStream(InputStream dstream, int startline, int startcolumn)

SimpleCharStream(InputStream dstream, int startline, int startcolumn, int buffersize)

SimpleCharStream(InputStream dstream, String encoding)

SimpleCharStream(InputStream dstream, String encoding, int startline, int startcolumn)

SimpleCharStream(InputStream dstream, String encoding, int startline, int startcolumn, int buffersize)

SimpleCharStream(Reader dstream)

SimpleCharStream(Reader dstream, int startline, int startcolumn)

SimpleCharStream(Reader dstream, int startline, int startcolumn, int buffersize)

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- **Method Summary**

Methods	
Modifier and Type	Method and Description
void	adjustBeginLineColumn (int newLine, int newCol) Method to adjust line and column numbers for the start of a token.
void	backup (int amount)
char	BeginToken ()
void	Done ()
protected void	ExpandBuff (boolean wrapAround)
protected void	FillBuff ()
int	getBeginColumn ()
int	getBeginLine ()
int	getColumn () Deprecated.
int	getEndColumn ()
int	getEndLine ()
String	GetImage ()
int	getLine () Deprecated.
char[]	GetSuffix (int len)
protected int	getTabSize (int i)
char	readChar ()
void	ReInit (InputStream dstream)
void	ReInit (InputStream dstream, int startline, int startcolumn)
void	ReInit (InputStream dstream, int startline,

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	<code>int startcolumn, int buffersize)</code>
<code>void</code>	<code>ReInit(InputStream dstream, String encoding)</code>
<code>void</code>	<code>ReInit(InputStream dstream, String encoding, int startline, int startcolumn)</code>
<code>void</code>	<code>ReInit(InputStream dstream, String encoding, int startline, int startcolumn, int buffersize)</code>
<code>void</code>	<code>ReInit(Reader dstream)</code>
<code>void</code>	<code>ReInit(Reader dstream, int startline, int startcolumn)</code>
<code>void</code>	<code>ReInit(Reader dstream, int startline, int startcolumn, int buffersize)</code>
<code>protected void</code>	<code>setTabSize(int i)</code>
<code>protected void</code>	<code>updateLineColumn(char c)</code>

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- Methods inherited from class `java.lang.Object`
`clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait`

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- Field Detail**

- staticFlag**

`public static final boolean staticFlag`

See Also:

`Constant Field Values`

- bufsize**

`int bufsize`

- available**

`int available`

- tokenBegin**

`int tokenBegin`

- bufpos**

`public int bufpos`

- **bufline**

protectedint[] bufline

- **bufcolumn**

protectedint[] bufcolumn

- **column**

protectedint column

- **line**

protectedint line

- **prevCharIsCR**

protectedboolean prevCharIsCR

- **prevCharIsLF**

protectedboolean prevCharIsLF

- **inputStream**

protectedReader inputStream

- **buffer**

protectedchar[] buffer

- **maxNextCharInd**

protectedint maxNextCharInd

- **inBuf**

protectedint inBuf

- **tabSize**

protectedint tabSize

• Constructor Detail

- **SimpleCharStream**

```
publicSimpleCharStream(Readerdstream,
                        intstartline,
                        intstartcolumn,
                        intbuffersize)
```

- **SimpleCharStream**

```
publicSimpleCharStream(Readerdstream,
                        intstartline,
                        intstartcolumn)
```

- **SimpleCharStream**

```
publicSimpleCharStream(Readerdstream)
```

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- **SimpleCharStream**

```
public SimpleCharStream(InputStream stream,
                        String encoding,
                        int startline,
                        int startcolumn,
                        int buffersize)
    throws UnsupportedOperationException
```

Throws:

UnsupportedEncodingException

- **SimpleCharStream**

```
public SimpleCharStream(InputStream stream,
                        int startline,
                        int startcolumn,
                        int buffersize)
```

- **SimpleCharStream**

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public SimpleCharStream(InputStream stream,
                        String encoding,
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public SimpleCharStream(InputStream stream,
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- **SimpleCharStream**

```
public SimpleCharStream(InputStream stream,
                        String encoding)
    throws UnsupportedOperationException
```

Throws:

UnsupportedEncodingException

- **SimpleCharStream**

```
public SimpleCharStream(InputStream stream)
```

- **Method Detail**

- **setTabSize**

```
protected void setTabSize(int i)
```

- **getTabSize**

```
protected int getTabSize(int i)
```

- **ExpandBuff**

```
protected void ExpandBuff(boolean wrapAround)
```

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- **FillBuff**

```
protected void FillBuff()  
    throws IOException
```

Throws:

IOException

- **BeginToken**

```
public char BeginToken()  
    throws IOException
```

Throws:

IOException

- **UpdateLineColumn**

```
protected void UpdateLineColumn(char c)
```

- **readChar**

```
public char readChar()  
    throws IOException
```

Throws:

IOException

- **getColumn**

```
public int getColumn()
```

Deprecated.

See Also:

getEndColumn()

- **getLine**

```
public int getLine()
```

Deprecated.

See Also:

getEndLine()

- **getEndColumn**

```
public int getEndColumn()
```

- **getEndLine**

```
public int getEndLine()
```

- **getBeginColumn**

```
public int getBeginColumn()
```

- **getBeginLine**

```
public int getBeginLine()
```

- **backup**

```
public void backup(int amount)
```

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- **ReInit**

```
public void ReInit(Reader dstream,
                  int startline,
                  int startcolumn,
                  int buffersize)
```

- **ReInit**

```
public void ReInit(Reader dstream,
                  int startline,
                  int startcolumn)
```

- **ReInit**

```
public void ReInit(Reader dstream)
```

- **ReInit**

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public void ReInit(InputStream dstream,
                  String encoding,
                  int startline,
                  int startcolumn,
                  int buffersize)
    throws UnsupportedOperationException
```

Throws:

UnsupportedEncodingException

- **ReInit**

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public void ReInit(InputStream dstream,
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public void ReInit(InputStream dstream,
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- **ReInit**

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public void ReInit(InputStream dstream)
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Throws:

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- **ReInit**

```
public void ReInit(InputStream dstream,
                  int startline,
                  int startcolumn)
```

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- **GetImage**

```
publicStringGetImage()
```

- **GetSuffix**

```
publicchar[]GetSuffix(intlen)
```

- **Done**

```
publicvoidDone()
```

- **adjustBeginLineColumn**

```
publicvoidadjustBeginLineColumn(intnewline,  
intnewCol)
```

Method to adjust line and column numbers for the start of a token.

- **Prev Class**
- **Next Class**

- Frames
- No Frames

- All Classes

- Summary:
- Nested |
- Field |
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- Method

- Detail:
- Field |
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