| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-all.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | | |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PREV CLASS   [**NEXT CLASS**](http://docs.google.com/TerminalIO/ScreenWriter.html) | [**FRAMES**](http://docs.google.com/index.html)    [**NO FRAMES**](http://docs.google.com/KeyboardReader.html) |
| SUMMARY:  INNER | FIELD | [CONSTR](#1fob9te) | [METHOD](#3znysh7) | DETAIL:  FIELD | [CONSTR](#tyjcwt) | [METHOD](#1t3h5sf) |

## **TerminalIO**

Class KeyboardReader

java.lang.Object  
 |  
 +--**TerminalIO.KeyboardReader**

public class **KeyboardReader**extends java.lang.Object

The class KeyboardReader contains input methods for terminal I/O. Type-specific methods read characters, integers, doubles, and strings. Another method pauses output and waits for the user to press the enter key to continue. Examples:

KeyboardReader reader = new KeyboardReader();  
 char letter = reader.readChar ("Enter a letter: ");  
 double d = reader.readDouble("Enter a real number: ");  
 int i = reader.readInt ("Enter an integer: ");  
 String name = reader.readLine ("Enter your full name: ");  
 reader.pause();

| **Constructor Summary** | |
| --- | --- |
| [**KeyboardReader**](http://docs.google.com/TerminalIO/KeyboardReader.html#KeyboardReader())() |

| **Method Summary** | |
| --- | --- |
| void | [**pause**](http://docs.google.com/TerminalIO/KeyboardReader.html#pause())()            Used with non-GUI applications to prevents a "fly-by" disappearance of the terminal window in some environments by pausing execution until the user presses the Enter key. |
| char | [**readChar**](http://docs.google.com/TerminalIO/KeyboardReader.html#readChar())()            Waits for character input without prompting the user. |
| char | [**readChar**](http://docs.google.com/TerminalIO/KeyboardReader.html#readChar(java.lang.String))(java.lang.String prompt)            Prompts the user and waits for character input. |
| double | [**readDouble**](http://docs.google.com/TerminalIO/KeyboardReader.html#readDouble())()            Waits for double input without prompting the user. |
| double | [**readDouble**](http://docs.google.com/TerminalIO/KeyboardReader.html#readDouble(java.lang.String))(java.lang.String prompt)            Prompts the user and waits for double input. |
| int | [**readInt**](http://docs.google.com/TerminalIO/KeyboardReader.html#readInt())()            Waits for integer input without prompting the user. |
| int | [**readInt**](http://docs.google.com/TerminalIO/KeyboardReader.html#readInt(java.lang.String))(java.lang.String prompt)            Prompts the user and waits for integer input. |
| java.lang.String | [**readLine**](http://docs.google.com/TerminalIO/KeyboardReader.html#readLine())()            Waits for string input without prompting the user. |
| java.lang.String | [**readLine**](http://docs.google.com/TerminalIO/KeyboardReader.html#readLine(java.lang.String))(java.lang.String prompt)            Prompts the user and waits for string input. |

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

| **Constructor Detail** |
| --- |

### KeyboardReader

public **KeyboardReader**()

| **Method Detail** |
| --- |

### pause

public void **pause**()

Used with non-GUI applications to prevents a "fly-by" disappearance of the terminal window in some environments by pausing execution until the user presses the Enter key. Usage: reader.pause();

### readInt

public int **readInt**(java.lang.String prompt)

Prompts the user and waits for integer input. Throws an exception if the input doesn't represent an integer. Returns the integer entered. **Parameters:**prompt - the prompt to the user.

### readInt

public int **readInt**()

Waits for integer input without prompting the user. Throws an exception if the input doesn't represent an integer. Returns the integer entered.

### readDouble

public double **readDouble**(java.lang.String prompt)

Prompts the user and waits for double input. Throws an exception if the input doesn't represent a double. Returns the double entered. **Parameters:**prompt - the prompt to the user.

### readDouble

public double **readDouble**()

Waits for double input without prompting the user. Throws an exception if the input doesn't represent a double. Returns the double entered.

### readChar

public char **readChar**(java.lang.String prompt)

Prompts the user and waits for character input. Returns the char entered. **Parameters:**prompt - the prompt to the user.

### readChar

public char **readChar**()

Waits for character input without prompting the user. Returns the char entered.

### readLine

public java.lang.String **readLine**(java.lang.String prompt)

Prompts the user and waits for string input. Returns the entire line of text entered. **Parameters:**prompt - the prompt to the user.

### readLine

public java.lang.String **readLine**()

Waits for string input without prompting the user. Returns the entire line of text entered.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-all.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | | |  |
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