Class JMUConsole

java.lang.Object
    JMUConsole

```
public class JMUConsole
extends Object
```

A utility class that can be used to perform console input/output without the need to understand objects. A user of this class need only understand how to call static methods. The input methods behave like the similarly named methods in the java.util.Scanner class. The output methods behave like the similarly named methods in the java.io.PrintStream class.

Constructor Summary

Constructors

Constructor and Description
JMUConsole()

Method Summary

All Methods Static Methods Concrete Methods

Modifier and Type	Method and Description
static void	**close**() Close the JMUConsole.
static void	**flush**() Flush the output.
static void	**format**(Locale l, String format, Object... args) Writes a formatted String to the JMUConsole using the specified format String and arguments.
static void	**format**(String format, Object... args) Writes a formatted String to the JMUConsole using the specified format String and arguments.
static boolean	**hasNext**() Returns true if the JMUConsole has another token in its input.
static boolean	**hasNextBoolean**() Returns true if the JMUConsole has another boolean in its input.
static boolean	**hasNextByte**() Returns true if the JMUConsole has another byte in its input.
static boolean	**hasNextDouble**() Returns true if the JMUConsole has another double in its input.

static boolean	**hasNextFloat**() Returns true if the JMUConsole has another float in its input.
static boolean	**hasNextInt**() Returns true if the JMUConsole has another int in its input.
static boolean	**hasNextLine**() Returns true if the JMUConsole has another line in its input.
static boolean	**hasNextLong**() Returns true if the JMUConsole has another long in its input.
static boolean	**hasNextShort**() Returns true if the JMUConsole has another short in its input.
static String	**next**() Finds and returns the next complete token.
static boolean	**nextBoolean**() Finds and returns the next boolean.
static byte	**nextByte**() Finds and returns the next byte.
static char	**nextChar**() Finds and consumes the next complete token, returning the first character of that token.
static char[]	**nextCharArray**() Finds and consumes the next complete token, returning it as a char[].
static double	**nextDouble**() Finds and returns the next double.
static float	**nextFloat**() Finds and returns the next float.
static int	**nextInt**() Finds and returns the next int.
static String	**nextLine**() Advances the JMUConsole past the current line and returns the input that was skipped.
static char	**nextLineAsChar**() Advances the JMUConsole past the current line and returns the first character of the input that was skipped.
static char[]	**nextLineAsCharArray**() Advances the JMUConsole past the current line and returns the input that was skipped as a char[].
static long	**nextLong**() Finds and returns the next long.
static short	**nextShort**() Finds and returns the next short.
static void	**open**() Open the JMUConsole so that it can be used.
static void	**print**(boolean value)

Print a boolean value.

`static void` **`print`**`(char value)`
Print a char value.

`static void` **`print`**`(char[] value)`
Print a char array.

`static void` **`print`**`(double value)`
Print a double value.

`static void` **`print`**`(float value)`
Print a float value.

`static void` **`print`**`(int value)`
Print a int value.

`static void` **`print`**`(long value)`
Print a long value.

`static void` **`print`**`(Object object)`
Print an Object.

`static void` **`print`**`(String string)`
Print a String.

`static void` **`printf`**`(Locale l, String format, Object... args)`
Writes a formatted String to the JMUConsole using the specified format String and arguments.

`static void` **`printf`**`(String format, Object... args)`
Writes a formatted String to the JMUConsole using the specified format String and arguments.

`static void` **`println`**`()`
Terminate the current line by writing the line separator string.

`static void` **`println`**`(boolean value)`
Print a boolean value and terminate the line.

`static void` **`println`**`(char value)`
Print a char value and terminate the line.

`static void` **`println`**`(char[] value)`
Print a char array and terminate the line.

`static void` **`println`**`(double value)`
Print a double value and terminate the line.

`static void` **`println`**`(float value)`
Print a float value and terminate the line.

`static void` **`println`**`(int value)`
Print a int value and terminate the line.

`static void` **`println`**`(long value)`
Print a long value and terminate the line.

`static void` **`println`**`(Object object)`
Print an Object and terminate the line.

`static void` **`println`**`(String string)`

	Print a String and terminate the line.
static boolean	**readBoolean**() Reads the next boolean and consumes everything to the next newline.
static byte	**readByte**() Reads the next byte and consumes everything to the next newline.
static double	**readDouble**() Reads the next double and consumes everything to the next newline.
static float	**readFloat**() Reads the next float and consumes everything to the next newline.
static int	**readInt**() Reads the next int and consumes everything to the next newline.
static **String**	**readLine**() Advances the JMUConsole past the current line and returns the input that was skipped.
static char	**readLineAsChar**() Advances the JMUConsole past the current line and returns the first character of the input that was skipped.
static char[]	**readLineAsCharArray**() Advances the JMUConsole past the current line and returns the input that was skipped as a char[]
static long	**readLong**() Reads the next long and consumes everything to the next newline.
static short	**readShort**() Reads the next short and consumes everything to the next newline.
static void	**reset**() Reset the JMUConsole.
static void	**useDelimiter**(Pattern pattern) Sets the JMUConsole's delimiting pattern to the specified Pattern.
static void	**useDelimiter**(String pattern) Sets the JMUConsole's delimiting pattern to a Pattern constructed from the specified String.

Methods inherited from class java.lang.Object

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

Constructor Detail

JMUConsole

```
public JMUConsole()
```

Method Detail

open

```
public static void open()
```

Open the JMUConsole so that it can be used. This method must be called once before calls to any other methods are made. It must be called only once.

close

```
public static void close()
```

Close the JMUConsole. This method should be called once, after the JMUConsole is no longer needed.

flush

```
public static void flush()
```

Flush the output.

format

```
public static void format(Locale l,
                          String format,
                          Object... args)
```

Writes a formatted String to the JMUConsole using the specified format String and arguments.

Parameters:

`l` - The Locale

`format` - The format String

`args` - The argument to write

format

```
public static void format(String format,
                          Object... args)
```

Writes a formatted String to the JMUConsole using the specified format String and arguments.

Parameters:

`format` - The format String

`args` - The argument to write

hasNext

```
public static boolean hasNext()
```

Returns true if the JMUConsole has another token in its input.

Returns:
true or false as appropriate

hasNextBoolean

```
public static boolean hasNextBoolean()
```

Returns true if the JMUConsole has another boolean in its input.

Returns:
true or false as appropriate

hasNextByte

```
public static boolean hasNextByte()
```

Returns true if the JMUConsole has another byte in its input.

Returns:
true or false as appropriate

hasNextDouble

```
public static boolean hasNextDouble()
```

Returns true if the JMUConsole has another double in its input.

Returns:
true or false as appropriate

hasNextFloat

```
public static boolean hasNextFloat()
```

Returns true if the JMUConsole has another float in its input.

Returns:
true or false as appropriate

hasNextInt

```
public static boolean hasNextInt()
```

Returns true if the JMUConsole has another int in its input.

Returns:
true or false as appropriate

hasNextLine

```
public static boolean hasNextLine()
```

Returns true if the JMUConsole has another line in its input.

Returns:
true or false as appropriate

hasNextLong

```
public static boolean hasNextLong()
```

Returns true if the JMUConsole has another long in its input.

Returns:
true or false as appropriate

hasNextShort

```
public static boolean hasNextShort()
```

Returns true if the JMUConsole has another short in its input.

Returns:
true or false as appropriate

next

```
public static String next()
```

Finds and returns the next complete token.

Returns:
The token

nextBoolean

```
public static boolean nextBoolean()
```

Finds and returns the next boolean.

Returns:
The boolean

nextByte

```
public static byte nextByte()
```

Finds and returns the next byte.

Returns:

The byte

nextChar

```
public static char nextChar()
```

Finds and consumes the next complete token, returning the first character of that token.

Returns:

The first character of the consumed token

nextCharArray

```
public static char[] nextCharArray()
```

Finds and consumes the next complete token, returning it as a char[].

Returns:

The consumed token

nextDouble

```
public static double nextDouble()
```

Finds and returns the next double.

Returns:

The double

nextFloat

```
public static float nextFloat()
```

Finds and returns the next float.

Returns:

The float

nextInt

```
public static int nextInt()
```

Finds and returns the next int.

Returns:

The int

nextLine

```
public static String nextLine()
```

Advances the JMUConsole past the current line and returns the input that was skipped.

Returns:
The skipped input

nextLineAsChar

```
public static char nextLineAsChar()
```

Advances the JMUConsole past the current line and returns the first character of the input that was skipped.

Returns:
The first character of the skipped input

nextLineAsCharArray

```
public static char[] nextLineAsCharArray()
```

Advances the JMUConsole past the current line and returns the input that was skipped as a char[].

Returns:
The skipped input

nextLong

```
public static long nextLong()
```

Finds and returns the next long.

Returns:
The long

nextShort

```
public static short nextShort()
```

Finds and returns the next short.

Returns:
The short

print

```
public static void print(boolean value)
```

Print a boolean value.

Parameters:

`value` - The value to print

print

```
public static void print(char value)
```

Print a char value.

Parameters:

`value` - The value to print

print

```
public static void print(char[] value)
```

Print a char array.

Parameters:

`value` - The array to print

print

```
public static void print(double value)
```

Print a double value.

Parameters:

`value` - The value to print

print

```
public static void print(float value)
```

Print a float value.

Parameters:

`value` - The value to print

print

```
public static void print(int value)
```

Print a int value.

Parameters:

`value` - The value to print

print

```
public static void print(long value)
```

Print a long value.

Parameters:

`value` - The value to print

print

```
public static void print(Object object)
```

Print an Object.

Parameters:

`object` - The Object to print

print

```
public static void print(String string)
```

Print a String.

Parameters:

`string` - The String to print

printf

```
public static void printf(Locale l,
                          String format,
                          Object... args)
```

Writes a formatted String to the JMUConsole using the specified format String and arguments.

Parameters:

`l` - The Locale

`format` - The format String

`args` - The argument to write

printf

```
public static void printf(String format,
                          Object... args)
```

Writes a formatted String to the JMUConsole using the specified format String and arguments.

Parameters:

`format` - The format String

`args` - The argument to write

println

```
public static void println()
```

Terminate the current line by writing the line separator string.

println

```
public static void println(boolean value)
```

Print a boolean value and terminate the line.

Parameters:
`value` - The value to print

println

```
public static void println(char value)
```

Print a char value and terminate the line.

Parameters:
`value` - The value to print

println

```
public static void println(char[] value)
```

Print a char array and terminate the line.

Parameters:
`value` - The array to print

println

```
public static void println(double value)
```

Print a double value and terminate the line.

Parameters:
`value` - The value to print

println

```
public static void println(float value)
```

Print a float value and terminate the line.

Parameters:

`value` - The value to print

println

```
public static void println(int value)
```

Print a int value and terminate the line.

Parameters:

`value` - The value to print

println

```
public static void println(long value)
```

Print a long value and terminate the line.

Parameters:

`value` - The value to print

println

```
public static void println(Object object)
```

Print an Object and terminate the line.

Parameters:

`object` - The Object to print

println

```
public static void println(String string)
```

Print a String and terminate the line.

Parameters:

`string` - The String to print

readBoolean

```
public static boolean readBoolean()
```

Reads the next boolean and consumes everything to the next newline.

Returns:

The boolean

readByte

```
public static byte readByte()
```

Reads the next byte and consumes everything to the next newline.

Returns:
The byte

readDouble

```
public static double readDouble()
```

Reads the next double and consumes everything to the next newline.

Returns:
The double

readFloat

```
public static float readFloat()
```

Reads the next float and consumes everything to the next newline.

Returns:
The float

readInt

```
public static int readInt()
```

Reads the next int and consumes everything to the next newline.

Returns:
The int

readLine

```
public static String readLine()
```

Advances the JMUConsole past the current line and returns the input that was skipped.

Returns:
The skipped input

readLineAsChar

```
public static char readLineAsChar()
```

Advances the JMUConsole past the current line and returns the first character of the input that was skipped.

Returns:

The first char of the skipped input

readLineAsCharArray

```
public static char[] readLineAsCharArray()
```

Advances the JMUConsole past the current line and returns the input that was skipped as a char[]

Returns:

The skipped input

readLong

```
public static long readLong()
```

Reads the next long and consumes everything to the next newline.

Returns:

The long

readShort

```
public static short readShort()
```

Reads the next short and consumes everything to the next newline.

Returns:

The short

reset

```
public static void reset()
```

Reset the JMUConsole.

useDelimiter

```
public static void useDelimiter(Pattern pattern)
```

Sets the JMUConsole's delimiting pattern to the specified Pattern.

Parameters:

`pattern` - The pattern to use

useDelimiter

```
public static void useDelimiter(String pattern)
```

Sets the JMUConsole's delimiting pattern to a Pattern constructed from the specified String.

Parameters:

`pattern` - The pattern to use