

JAVA.UTIL.SCANNER.HASNEXTDOUBLE METHOD

http://www.tutorialspoint.com/java/util/scanner_hasnextdouble.htm

Copyright © tutorialspoint.com

Description

The **java.util.Scanner.hasNextDouble** method returns true if the next token in this scanner's input can be interpreted as a double value using the nextDouble method. The scanner does not advance past any input.

Declaration

Following is the declaration for **java.util.Scanner.hasNextDouble** method

```
public boolean hasNextDouble()
```

Parameters

- NA

Return Value

This method returns true if and only if this scanner's next token is a valid double value

Exception

- **IllegalStateException** -- if this scanner is closed

Example

The following example shows the usage of java.util.Scanner.hasNextDouble method.

```
package com.tutorialspoint;

import java.util.*;

public class ScannerDemo {

    public static void main(String[] args) {

        String s = "Hello World! 3 + 3.0 = 6 ";
        Double d=1.3985;
        s=s+d;

        // create a new scanner with the specified String Object
        Scanner scanner = new Scanner(s);

        // assign locale as US to recognize double numbers in a string
        scanner.useLocale(Locale.US);

        while (scanner.hasNext()) {
            // check if the scanner's next token is a double
            System.out.println("'" + scanner.hasNextDouble());

            // print what is scanned
            System.out.println("'" + scanner.next());
        }

        // close the scanner
        scanner.close();
    }
}
```

Let us compile and run the above program, this will produce the following result:

```
false
Hello
false
World!
true
3
false
+
true
3.0
false
=
true
6
true
1.3985
```

Loading [MathJax]/jax/output/HTML-CSS/fonts/TeX/fontdata.js