

JAVA.UTIL.SCANNER.HASNEXTFLOAT METHOD

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

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Description

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

Declaration

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

```
public boolean hasNextFloat()
```

Parameters

- NA

Return Value

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

Exception

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

Example

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

```
package com.tutorialspoint;

import java.util.*;

public class ScannerDemo {

    public static void main(String[] args) {

        String s = "Hello World! 3 + 3.0 = 6 ";
        Float f=3.12345f;
        s=s+f;

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

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

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

            // 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
3.12345
```

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