

JAVA.UTIL.SCANNER.HASNEXT METHOD

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

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Description

The **java.util.Scanner.hasNextPattern** method returns true if the next complete token matches the specified pattern. A complete token is prefixed and postfixed by input that matches the delimiter pattern. This method may block while waiting for input. The scanner does not advance past any input.

Declaration

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

```
public boolean hasNext(Pattern pattern)
```

Parameters

- **pattern** -- the pattern to scan for

Return Value

This method returns true if and only if this scanner has another token matching the specified pattern

Exception

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

Example

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

```
package com.tutorialspoint;

import java.util.*;
import java.util.regex.Pattern;

public class ScannerDemo {

    public static void main(String[] args) {

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

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

        // check if the scanner's next token matches "rld" following 2 chars
        System.out.println("'" + scanner.hasNext(Pattern.compile("..rld")));

        // check if the scanner's next token matches "llo" following 2 chars
        System.out.println("'" + scanner.hasNext(Pattern.compile("..llo")));

        // print the rest of the string
        System.out.println("'" + scanner.nextLine());

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

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

false

true

Hello World! $3+3.0=6$

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