

JAVA.UTIL.SCANNER.FINDWITHINHORIZON METHOD

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

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Description

The **java.util.Scanner.findWithinHorizonString***pattern, in*horizon method attempts to find the next occurrence of a pattern constructed from the specified string, ignoring delimiters. An invocation of this method of the form `findWithinHorizonpattern` behaves in exactly the same way as the invocation `findWithinHorizonPattern.compile(pattern, horizon)`.

Declaration

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

```
public String findWithinHorizon(String pattern,int horizon)
```

Parameters

- **pattern** -- a string specifying the pattern to search for

Return Value

This method returns the text that matched the specified pattern.

Exception

- **IllegalStateException** -- if this scanner is closed
- **IllegalArgumentException** -- if horizon is negative

Example

The following example shows the usage of `java.util.Scanner.findWithinHorizon` 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);

        // find a string of world, with horizon of 10
        System.out.println("
+ scanner.findWithinHorizon("World", 10));

        // find a string of world, with horizon of 20
        System.out.println("
+ scanner.findWithinHorizon("World", 20));

        // 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:

```
null
World
| 3+3.0=6
```

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