

JAVA - STRING LASTINDEXOF() METHOD

Description:

This method has the following variants:

- **int lastIndexOf(int ch):** Returns the index within this string of the last occurrence of the specified character or -1 if the character does not occur.
- **public int lastIndexOf(int ch, int fromIndex):** Returns the index of the last occurrence of the character in the character sequence represented by this object that is less than or equal to fromIndex, or -1 if the character does not occur before that point.
- **public int lastIndexOf(String str):** If the string argument occurs one or more times as a substring within this object, then it returns the index of the first character of the last such substring is returned. If it does not occur as a substring, -1 is returned.
- **public int lastIndexOf(String str, int fromIndex):** Returns the index within this string of the last occurrence of the specified substring, searching backward starting at the specified index.

Syntax:

Here is the syntax of this method:

```
int lastIndexOf(int ch)
or
public int lastIndexOf(int ch, int fromIndex)
or
public int lastIndexOf(String str)
or
public int lastIndexOf(String str, int fromIndex)
```

Parameters:

Here is the detail of parameters:

- **ch** -- a character.
- **fromIndex** -- the index to start the search from.
- **str** -- A string.

Return Value:

- This method returns the index.

Example:

```
import java.io.*;

public class Test {

    public static void main(String args[]) {
        String Str = new String("Welcome to Tutorialspoint.com");
        String SubStr1 = new String("Tutorials" );
        String SubStr2 = new String("Sutorials" );

        System.out.print("Found Last Index :" );
```

```
System.out.println(Str.lastIndexOf( 'o' ));
System.out.print("Found Last Index :" );
System.out.println(Str.lastIndexOf( 'o', 5 ));
System.out.print("Found Last Index :" );
System.out.println( Str.lastIndexOf( SubStr1 ));
System.out.print("Found Last Index :" );
System.out.println( Str.lastIndexOf( SubStr1, 15 ));
System.out.print("Found Last Index :" );
System.out.println(Str.lastIndexOf( SubStr2 ));
}
}
```

This produces the following result:

```
Found Last Index :27
Found Last Index :4
Found Last Index :11
Found Last Index :11
Found Last Index :-1
```