

JAVA.LANG.STRING.CODEPOINTCOUNT METHOD

http://www.tutorialspoint.com/java/lang/string_codepointcount.htm

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Description

The **java.lang.String.codePointCount** method returns the number of Unicode code points in the specified text range of this String. The text range begins at the specified **beginIndex** and extends to the char at index **endIndex - 1**. Therefore the length *inchars* of the text range is **endIndex - beginIndex**.

Declaration

Following is the declaration for **java.lang.String.codePointCount** method

```
public int codePointCount(int beginIndex, int endIndex)
```

Parameters

- **beginIndex** -- This is the index to the first char of the text range.
- **endIndex**-- This is the index after the last char of the text range.

Return Value

This method returns the number of Unicode code points in the specified text range.

Exception

- **IndexOutOfBoundsException** -- if the beginIndex is negative, or endIndex is larger than the length of this String, or beginIndex is larger than endIndex.

Example

The following example shows the usage of java.lang.String.codePointCount method.

```
package com.tutorialspoint;

import java.lang.*;

public class StringDemo {

    public static void main(String[] args) {

        String str = "JAVA programming language";
        System.out.println("String = " + str);

        // codepoint from index 1 to index 8
        int retval = str.codePointCount(1, 8);

        // prints character from index 1 to index 8
        System.out.println("Codepoint count = " + retval);
    }
}
```

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

```
String = JAVA programming language
Codepoint count = 7
Loading [MathJax]/jax/output/HTML-CSS/fonts/TeX/fontdata.js
```