

JAVA.LANG.CHARACTER.CODEPOINTCOUNT METHOD

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

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Description

The **java.lang.Character.codePointCount***CharSequence seq, int beginIndex, int endIndex* returns the number of Unicode code points in the text range of the specified char sequence.

The text range begins at the specified beginIndex and extends to the char at index endIndex - 1. Thus the length *in chars* of the text range is endIndex-beginIndex. Unpaired surrogates within the text range count as one code point each.

Declaration

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

```
public static int codePointCount(CharSequence seq, int beginIndex, int endIndex)
```

Parameters

- **seq** - the char sequence
- **beginIndex** - the index to the first char of the text range
- **endIndex** - 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

- **NullPointerException** - if seq is null.
- **IndexOutOfBoundsException** - if the beginIndex is negative, or endIndex is larger than the length of the given sequence, or beginIndex is larger than endIndex.

Example

The following example shows the usage of lang.Character.codePointCount method.

```
package com.tutorialspoint;

import java.lang.*;

public class CharacterDemo {

    public static void main(String[] args) {

        // create a CharSequence seq and assign value
        CharSequence seq = "Hello World!";

        // create and assign value to bi, ei
        int bi = 4, ei = 8;

        // create an int res
        int res;

        // assign result of codePointCount on seq to res using bi, ei
        res = Character.codePointCount(seq, bi, ei);

        String str = "No. of Unicode code points is " + res;

        // print res value
```

```
        System.out.println( str );  
    }  
}
```

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

No. of Unicode code points is 4

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