

# JAVA.LANG.CHARACTER.OFFSETBYCODEPOINTS METHOD

[http://www.tutorialspoint.com/java/lang/character\\_offsetbycodepoints\\_sequence.htm](http://www.tutorialspoint.com/java/lang/character_offsetbycodepoints_sequence.htm) Copyright © tutorialspoint.com

## Description

The **java.lang.Character.offsetByCodePoints***CharSequence seq, int index, int codePointOffset* returns the index within the given char sequence that is offset from the given index by codePointOffset code points.

Unpaired surrogates within the text range given by index and codePointOffset count as one code point each.

## Declaration

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

```
public static int offsetByCodePoints(CharSequence seq, int index, int codePointOffset)
```

## Parameters

- **seq** - the char sequence
- **index** - the index to be offset
- **codePointOffset** - the offset in code points

## Return Value

This method returns the index within the char sequence

## Exception

- **NullPointerException** - if seq is null
- **IndexOutOfBoundsException** - if index is negative or larger than the length of the char sequence, or if codePointOffset is positive and the subsequence starting with index has fewer than codePointOffset code points, or if codePointOffset is negative and the subsequence before index has fewer than the absolute value of codePointOffset code points.

## Example

The following example shows the usage of lang.Character.offsetByCodePoints 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 an int primitive res
        int res;

        // assign result of offsetByCodePoints on seq to res
        res = Character.offsetByCodePoints(seq, 3, 8);

        String str = "The index within the char sequence seq is " + res;

        // print res value
        System.out.println( str );
    }
}
```

```
}  
}
```

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

The index within the char sequence seq is 11  
Loading [MathJax]/jax/output/HTML-CSS/fonts/TeX/fontdata.js