

# JAVA.LANG.CHARACTER.CODEPOINTBEFORE METHOD

[http://www.tutorialspoint.com/java/lang/character\\_codepointbefore\\_sequence.htm](http://www.tutorialspoint.com/java/lang/character_codepointbefore_sequence.htm)

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## Description

The **java.lang.Character.codePointBefore** method returns the code point preceding the given index of the CharSequence. If the char value at *index* - 1 in the CharSequence is in the low-surrogate range, *index* - 2 is not negative, and the char value at *index* - 2 in the CharSequence is in the high-surrogate range, then the supplementary code point corresponding to this surrogate pair is returned.

Otherwise, the char value at *index* - 1 is returned.

## Declaration

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

```
public static int codePointBefore(CharSequence seq, int index)
```

## Parameters

- **seq** - the CharSequence instance
- **index** - the index following the code point that should be returned

## Return Value

This method returns the Unicode code point value before the given index.

## Exception

- **NullPointerException** - if a is null.
- **IndexOutOfBoundsException** - if the index argument is less than 1 or greater than seq.length

## Example

The following example shows the usage of lang.Character.codePointBefore 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";

        // create and assign value to index
        int index = 4;

        // create an int res
        int res;

        // assign result of codePointBefore on seq at index to res
        res = Character.codePointBefore(seq, index);

        String str = "Unicode code point is " + res;

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

```
}  
}
```

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

Unicode code point is 108

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