

JAVA.LANG.CHARACTER.CODEPOINTAT METHOD

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

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Description

The **java.lang.Character.codePointAt***CharSequence seq, int index* returns the code point at the given index of the CharSequence.

If the char value at the given index in the CharSequence is in the high-surrogate range, the following index is less than the length of the CharSequence, and the char value at the following index is in the low-surrogate range, then the supplementary code point corresponding to this surrogate pair is returned. Otherwise, the char value at the given index is returned.

Declaration

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

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

Parameters

- **seq** - a sequence of char values *Unicodecodeunits*
- **index** - the index to the char values *Unicodecodeunits* in the char array to be converted

Return Value

This method returns the Unicode code point at the given index.

Exception

- **NullPointerException** - if seq is null.
- **IndexOutOfBoundsException** - if the value index is negative or not less than seq.length.

Example

The following example shows the usage of lang.Character.codePointAt 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 codePointAt on seq at index to res
        res = Character.codePointAt(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 111

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