

JAVA.LANG.CHARACTER.CODEPOINTAT METHOD

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

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Description

The **java.lang.Character.codePointAt***char[]a, intindex* returns the code point at the given index of the char array.

If the char value at the given index in the char array is in the high-surrogate range, the following index is less than the length of the char array, 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(char[] a, int index)
```

Parameters

- **a** - the char array
- **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 a is null.
- **IndexOutOfBoundsException** - if the value index is negative or not less than the length of the char array.

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 char array c and assign values
        char[] c = new char[] { 'a', 'b', 'c', 'd', 'e' };

        // craete 2 int's res, index and assign value to index
        int res, index = 0;

        // assign result of codePointAt on array c at index to res
        res = Character.codePointAt(c, 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 97

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