

JAVA.LANG.CHARACTER.CODEPOINTBEFORE METHOD

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

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Description

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

If the char value at *index - 1* in the char array is in the low-surrogate range, *index - 2* is not negative, and the char value at *index - 2* in the char array 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(char[] a, int index)
```

Parameters

- **a** - the char array
- **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 the length of the char array.

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

        // create and assign value to index
        int index = 2;

        // create an int res
        int res;

        // assign result of codePointBefore on array c at index to res
        res = Character.codePointBefore(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 98

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