

JAVA.LANG.CHARACTER.TOCHARS METHOD

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

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Description

The **java.lang.Character.toChars** method converts the specified character *Unicode code point* to its UTF-16 representation stored in a char array.

If the specified code point is a BMP *Basic Multilingual Plane* or *Plane 0* value, the resulting char array has the same value as codePoint. If the specified code point is a supplementary code point, the resulting char array has the corresponding surrogate pair.

Declaration

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

```
public static char[] toChars(int codePoint)
```

Parameters

- **codePoint** - a Unicode code point

Return Value

This method returns a char array having codePoint's UTF-16 representation.

Exception

- **IllegalArgumentException** - if the specified codePoint is not a valid Unicode code point.

Example

The following example shows the usage of lang.Character.toChars method.

```
package com.tutorialspoint;

import java.lang.*;

public class CharacterDemo {

    public static void main(String[] args) {

        // create a char array ch
        char ch[];

        // create an int primitive cp and assign value
        int cp = 0x006e;

        // assign result of toChars on cp to ch
        ch = Character.toChars(cp);

        String str = "Char array having cp's UTF-16 representation is ";

        System.out.print( str );

        // use a for loop to print ch
        for (int i=0; i < ch.length; i++){
            System.out.print( ch[i] );
        }
    }
}
```

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

Char array having char's UTF-16 representation is n

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