

JAVA.LANG.CHARACTER.ISHIGHSURROGATE METHOD

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

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Description

The **java.lang.Character.isHighSurrogate** method determines if the given char value is a Unicode high-surrogate code unit *alsoknownasleading – surrogatecodeunit*.

Such values do not represent characters by themselves, but are used in the representation of supplementary characters in the UTF-16 encoding.

Declaration

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

```
public static boolean isHighSurrogate(char ch)
```

Parameters

- **ch** - the char value to be tested

Return Value

This method returns true if the char value is between MIN_HIGH_SURROGATE and MAX_HIGH_SURROGATE inclusive, false otherwise.

Exception

- **NA**

Example

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

```
package com.tutorialspoint;

import java.lang.*;

public class CharacterDemo {

    public static void main(String[] args) {

        // create 2 char primitives ch1, ch2
        char ch1, ch2;

        // assign values to ch1, ch2
        ch1 = '\u0c7f';
        ch2 = '\ud8b5';

        // create 2 boolean primitives b1, b2
        boolean b1, b2;

        // assign isHighSurrogate results of ch1, ch2 to b1, b2
        b1 = Character.isHighSurrogate(ch1);
        b2 = Character.isHighSurrogate(ch2);

        String str1 = "ch1 is a Unicode high-surrogate code unit is " + b1;
        String str2 = "ch2 is a Unicode high-surrogate code unit is " + b2;

        // print b1, b2 values
        System.out.println( str1 );
        System.out.println( str2 );
    }
}
```

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

```
ch1 is a Unicode high-surrogate code unit is false
ch2 is a Unicode high-surrogate code unit is true
Loading [Mathjax]/jax/output/HTML-CSS/jax.js
```