

JAVA.LANG.CHARACTER.GETDIRECTIONALITY METHOD

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

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Description

The **java.lang.Character.getDirectionality***intcodePoint* returns the Unicode directionality property for the given character *Unicodecodepoint*. Character directionality is used to calculate the visual ordering of text. The directionality value of undefined character is DIRECTIONALITY_UNDEFINED.

Declaration

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

```
public static byte getDirectionality(int codePoint)
```

Parameters

- **codePoint** - the character *Unicodecodepoint* for which the directionality property is requested

Return Value

This method returns the directionality property of the character.

Exception

- NA

Example

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

```
package com.tutorialspoint;

import java.lang.*;

public class CharacterDemo {

    public static void main(String[] args) {

        // create 2 int primitives cp1, cp2
        int cp1, cp2;

        // assign values to cp1, cp2
        cp1 = 0x2323;
        cp2 = 0x2c60;

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

        // assign directionality of cp1, cp2 to b1, b2
        b1 = Character.getDirectionality(cp1);
        b2 = Character.getDirectionality(cp2);

        /**
         * byte value 13 represents DIRECTIONALITY_OTHER_NEUTRALS
         * byte value -1 represents DIRECTIONALITY_UNDEFINED
         */

        String str1 = "Directionality of cp1 is " + b1;
        String str2 = "Directionality of cp2 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:

```
Directionality of cp1 is 13  
Directionality of cp2 is -1
```

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