

JAVA.LANG.CHARACTER.GETDIRECTIONALITY METHOD

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

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Description

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

Declaration

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

```
public static byte getDirectionality(char ch)
```

Parameters

- **ch** - char for which the directionality property is requested

Return Value

This method returns the directionality property of the char value.

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 character primitives ch1, ch2
        char ch1, ch2;

        // assign values to ch1, ch2
        ch1 = 'M';
        ch2 = '\u06ff';

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

        // assign directionality of ch1, ch2 to b1, b2
        b1 = Character.getDirectionality(ch1);
        b2 = Character.getDirectionality(ch2);

        /**
         * byte value 0 represents DIRECTIONALITY_LEFT_TO_RIGHT
         * byte value 2 represents DIRECTIONALITY_RIGHT_TO_LEFT_ARABIC
         */

        String str1 = "Directionality of " + ch1 + " is " + b1;
        String str2 = "Directionality of ch2 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 M is 0  
Directionality of ch2 is 2
```

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