

JAVA.LANG.CHARACTER.ISWHITESPACE METHOD

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

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Description

The **java.lang.Character.isWhitespace** method determines if the specified character is white space according to Java. A character is a Java whitespace character if and only if it satisfies one of the following criteria:

- It is a Unicode space character *SPACE_SEPARATOR*, *LINE_SEPARATOR*, or *PARAGRAPH_SEPARATOR* but is not also a non-breaking space `'\u00A0'`, `'\u2007'`, `'\u202F'`.
- It is `'\t'`, U+0009 HORIZONTAL TABULATION.
- It is `'\n'`, U+000A LINE FEED.
- It is `'\u000B'`, U+000B VERTICAL TABULATION.
- It is `'\f'`, U+000C FORM FEED.
- It is `'\r'`, U+000D CARRIAGE RETURN.
- It is `'\u001C'`, U+001C FILE SEPARATOR.
- It is `'\u001D'`, U+001D GROUP SEPARATOR.
- It is `'\u001E'`, U+001E RECORD SEPARATOR.
- It is `'\u001F'`, U+001F UNIT SEPARATOR.

Declaration

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

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

Parameters

- **ch** - the character to be tested

Return Value

This method returns true if the character is a Java whitespace character, false otherwise.

Exception

- **NA**

Example

The following example shows the usage of lang.Character.isWhitespace 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 = ' ';
        ch2 = '\f';
    }
}
```

```

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

/**
 * check if ch1, ch2 are whitespace characters and
 * assign results to b1, b2
 */
b1 = Character.isWhitespace(ch1);
b2 = Character.isWhitespace(ch2);

String str1 = "ch1 is a Java whitespace character is " + b1;
String str2 = "ch2 is a Java whitespace character 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 Java whitespace character is true
ch2 is a Java whitespace character is true

```

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