

JAVA.LANG.THREAD.HOLDSLOCK METHOD

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

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Description

The **java.lang.Thread.holdsLock** method returns true if and only if the current thread holds the monitor lock on the specified object.

Declaration

Following is the declaration for **java.lang.Thread.holdsLock** method

```
public static boolean holdsLock(Object obj)
```

Parameters

- **obj** -- This is the object on which to test lock ownership.

Return Value

This method returns true if the current thread holds the monitor lock on the specified object.

Exception

- **NullPointerException** -- if obj is null.

Example

The following example shows the usage of java.lang.Thread.holdsLock method.

```
package com.tutorialspoint;

import java.lang.*;

public class ThreadDemo implements Runnable {

    Thread th;

    public ThreadDemo() {

        th = new Thread(this);
        // this will call run() function
        th.start();
    }

    public void run() {

        /* returns true if and only if the current thread holds the
        monitor lock on the specified object */
        System.out.println("Holds Lock = " + Thread.holdsLock(this));

        synchronized (this) {
            System.out.println("Holds Lock = " + Thread.holdsLock(this));
        }
    }

    public static void main(String[] args) {
        new ThreadDemo();
    }
}
```

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

Holds Lock = false

Holds Lock = TRUE

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