

JAVA.LANG.THREAD.ISINTERRUPTED METHOD

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

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Description

The **java.lang.Thread.isInterrupted** method tests whether this thread has been interrupted. The interrupted status of the thread is unaffected by this method.

A thread interruption ignored because a thread was not alive at the time of the interrupt will be reflected by this method returning false.

Declaration

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

```
public boolean isInterrupted()
```

Parameters

- NA

Return Value

This method returns true if this thread has been interrupted; false otherwise.

Exception

- NA

Example

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

```
package com.tutorialspoint;

import java.lang.*;

public class ThreadDemo implements Runnable {

    Thread t;

    ThreadDemo() {

        t = new Thread(this);
        System.out.println("Executing " + t.getName());
        // this will call run() function
        t.start();

        // tests whether this thread has been interrupted
        if (!t.isInterrupted()) {
            t.interrupt();
        }
        // block until other threads finish
        try {
            t.join();
        } catch (InterruptedException e) {}
    }

    public void run() {
        try {
            while (true) {
                Thread.sleep(1000);
            }
        } catch (InterruptedException e) {
```

```
        System.out.print(t.getName() + " interrupted:");  
        System.out.println(e.toString());  
    }  
}  
  
public static void main(String args[]) {  
    new ThreadDemo();  
    new ThreadDemo();  
}  
}
```

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

```
Executing Thread-0  
Thread-0 interrupted:java.lang.InterruptedException: sleep interrupted  
Executing Thread-1  
Thread-1 interrupted:java.lang.InterruptedException: sleep interrupted  
Loading [MathJax]/jax/output/HTML-CSS/fonts/TeX/fontdata.js
```