

JAVA.LANG.THREAD.INTERRUPT METHOD

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

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Description

The **java.lang.Thread.interrupt** method interrupts this thread. Interrupting a thread that is not alive need not have any effect.

Declaration

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

```
public void interrupt()
```

Parameters

- NA

Return Value

This method does not return any value.

Exception

- **SecurityException** -- if the current thread cannot modify this thread.

Example

The following example shows the usage of java.lang.Thread.interrupt 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();

        // interrupt the threads
        if (!t.interrupted()) {
            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
```