

JAVA EXAMPLES - STOPPING A THREAD

http://www.tutorialspoint.com/javaexamples/thread_stop.htm

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Problem Description:

How to stop a thread for a while?

Solution:

Following example demonstrates how to stop a thread by creating an user defined method run taking the help of Timer classes' methods.

```
import java.util.Timer;
import java.util.TimerTask;

class CanStop extends Thread {
    private volatile boolean stop = false;
    private int counter = 0;
    public void run() {
        while (!stop && counter < 10000) {
            System.out.println(counter++);
        }
        if (stop)
            System.out.println("Detected stop");
    }
    public void requestStop() {
        stop = true;
    }
}

public class Stopping {
    public static void main(String[] args) {
        final CanStop stoppable = new CanStop();
        stoppable.start();
        new Timer(true).schedule(new TimerTask() {
            public void run() {
                System.out.println("Requesting stop");
                stoppable.requestStop();
            }
        }, 350);
    }
}
```

Result:

The above code sample will produce the following result.

Detected stop

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