

JAVA.LANG.THREAD.YIELD METHOD

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

Copyright © tutorialspoint.com

Description

The **java.lang.Thread.yield** method causes the currently executing thread object to temporarily pause and allow other threads to execute.

Declaration

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

```
public static void yield()
```

Parameters

- NA

Return Value

This method does not return any value.

Exception

-

Example

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

```
package com.tutorialspoint;

import java.lang.*;

public class ThreadDemo implements Runnable {

    Thread t;

    ThreadDemo(String str) {

        t = new Thread(this, str);
        // this will call run() function
        t.start();
    }

    public void run() {

        for (int i = 0; i < 5; i++) {
            // yields control to another thread every 5 iterations
            if ((i % 5) == 0) {
                System.out.println(Thread.currentThread().getName() + "
yielding control...");

                /* causes the currently executing thread object to temporarily
                pause and allow other threads to execute */
                Thread.yield();
            }
        }

        System.out.println(Thread.currentThread().getName() + " has
finished executing.");
    }

    public static void main(String[] args) {
```

```
new ThreadDemo("Thread 1");  
new ThreadDemo("Thread 2");  
new ThreadDemo("Thread 3");  
}  
}
```

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

```
Thread 1 is yielding control...  
Thread 2 is yielding control...  
Thread 3 is yielding control...  
Thread 1 has finished executing.  
Thread 2 has finished executing.  
Thread 3 has finished executing.
```

Loading [MathJax]/jax/output/HTML-CSS/jax.js