

JAVA EXAMPLES - GETTING THE PRIORITY

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

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Problem Description:

How to get the priorities of running threads?

Solution:

Following example prints the priority of the running threads by using setPriority method .

```
public class SimplePriorities extends Thread {
    private int countDown = 5;
    private volatile double d = 0;
    public SimplePriorities(int priority) {
        setPriority(priority);
        start();
    }
    public String toString() {
        return super.toString() + ": " + countDown;
    }
    public void run() {
        while(true) {
            for(int i = 1; i < 1000000; i++)
                d = d + (Math.PI + Math.E) / (double)i;
            System.out.println(this);
            if(--countDown == 0) return;
        }
    }
    public static void main(String[] args) {
        new SimplePriorities(Thread.MAX_PRIORITY);
        for(int i = 0; i < 5; i++)
            new SimplePriorities(Thread.MIN_PRIORITY);
    }
}
```

Result:

The above code sample will produce the following result.

```
Thread[Thread-0,10,main]: 5
Thread[Thread-0,10,main]: 4
Thread[Thread-0,10,main]: 3
Thread[Thread-0,10,main]: 2
Thread[Thread-0,10,main]: 1
Thread[Thread-1,1,main]: 5
Thread[Thread-1,1,main]: 4
Thread[Thread-1,1,main]: 3
Thread[Thread-1,1,main]: 2
Thread[Thread-1,1,main]: 1
Thread[Thread-2,1,main]: 5
Thread[Thread-2,1,main]: 4
Thread[Thread-2,1,main]: 3
Thread[Thread-2,1,main]: 2
Thread[Thread-2,1,main]: 1
.
.
```

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