

JAVA EXAMPLES - CHECKING A THREAD

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

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Problem Description:

How to check priority level of a thread?

Solution:

Following example demonstrates how to check priority level of a thread using `getPriority` method of a `Thread`.

```
public class Main extends Object {
    private static Runnable makeRunnable() {
        Runnable r = new Runnable() {
            public void run() {
                for (int i = 0; i < 5; i++) {
                    Thread t = Thread.currentThread();
                    System.out.println("in run() - priority="
                        + t.getPriority() + ", name=" + t.getName());
                    try {
                        Thread.sleep(2000);
                    }
                    catch (InterruptedException x) {
                    }
                }
            }
        };
        return r;
    }

    public static void main(String[] args) {
        System.out.println("in main() - Thread.currentThread().
            getPriority()=" + Thread.currentThread().getPriority());
        System.out.println("in main() - Thread.currentThread()
            .getName()=" + Thread.currentThread().getName());
        Thread threadA = new Thread(makeRunnable(), "threadA");
        threadA.start();
        try {
            Thread.sleep(3000);
        }
        catch (InterruptedException x) {
        }
        System.out.println("in main() - threadA.getPriority()="
            + threadA.getPriority());
    }
}
```

Result:

The above code sample will produce the following result.

```
in main() - Thread.currentThread().getPriority()=5
in main() - Thread.currentThread().getName()=main
in run() - priority=5, name=threadA
in run() - priority=5, name=threadA
in main() - threadA.getPriority()=5
in run() - priority=5, name=threadA
in run() - priority=5, name=threadA
in run() - priority=5, name=threadA
```

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