

JAVA EXAMPLES - CHECKING A THREAD

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

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Problem Description:

How to check a thread is alive or not?

Solution:

Following example demonstrates how to check a thread is alive or not by extending Thread class and using currentThread method.

```
public class TwoThreadAlive extends Thread {
    public void run() {
        for (int i = 0; i < 10; i++) {
            printMsg();
        }
    }

    public void printMsg() {
        Thread t = Thread.currentThread();
        String name = t.getName();
        System.out.println("name=" + name);
    }

    public static void main(String[] args) {
        TwoThreadAlive tt = new TwoThreadAlive();
        tt.setName("Thread");
        System.out.println("before start(),
        tt.isAlive()" + tt.isAlive());
        tt.start();
        System.out.println("just after start(),
        tt.isAlive()" + tt.isAlive());
        for (int i = 0; i < 10; i++) {
            tt.printMsg();
        }
        System.out.println("The end of main(),
        tt.isAlive()" + tt.isAlive());
    }
}
```

Result:

The above code sample will produce the following result.

```
before start(),tt.isAlive()=false
just after start(), tt.isAlive()=true
name=main
name=main
name=main
name=main
name=main
name=Thread
name=Thread
name=Thread
name=Thread
name=Thread
name=Thread
name=Thread
name=Thread
name=main
name=main
The end of main() tt.isAlive()=false
```

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