

Object Oriented Programming

Chapter 11

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Multithreaded Programming

- A multithreaded program contains two or more parts that can run
- concurrently. Each part of such a program is called a *thread*.

Multithreaded Programming

process-based multitasking is the feature that allows your computer to run two or more programs concurrently.

thread-based multitasking environment, the thread is the smallest unit of dispatchable code. This means that a single program can perform two or more tasks simultaneously

The Thread Class and the Runnable Interface

Method	Meaning
getName	Obtain a thread's name.
getPriority	Obtain a thread's priority.
isAlive	Determine if a thread is still running.
join	Wait for a thread to terminate.
run	Entry point for the thread.
sleep	Suspend a thread for a period of time.
start	Start a thread by calling its run method.

```
8  
9 class Main {  
10 public static void main(String args[]) {  
11  
12 try {  
13 for(int n = 5; n > 0; n--) {  
14 System.out.println(n);  
15 Thread.sleep(5000);  
16 }  
17 } catch (InterruptedException e) {  
18 System.out.println("Main thread interrupted");  
19 }  
20 }  
21 }
```

Thank You!