```
Thread-1: Thu Jan 22 15:42:25 2009

Thread-2: Thu Jan 22 15:42:27 2009

Thread-2: Thu Jan 22 15:42:31 2009

Thread-2: Thu Jan 22 15:42:35 2009
```

Although it is very effective for low-level threading, but the *thread* module is very limited compared to the newer threading module.

The *Threading* Module:

The newer threading module included with Python 2.4 provides much more powerful, high-level support for threads than the thread module discussed in the previous section.

The *threading* module exposes all the methods of the *thread* module and provides some additional methods:

- **threading.activeCount():** Returns the number of thread objects that are active.
- **threading.currentThread():** Returns the number of thread objects in the caller's thread control.
- **threading.enumerate():** Returns a list of all thread objects that are currently active.

In addition to the methods, the threading module has the *Thread* class that implements threading. The methods provided by the *Thread* class are as follows:

- **run():** The run() method is the entry point for a thread.
- **start():** The start() method starts a thread by calling the run method.
- **join([time]):** The join() waits for threads to terminate.
- **isAlive():** The isAlive() method checks whether a thread is still executing.
- **getName():** The getName() method returns the name of a thread.
- **setName():** The setName() method sets the name of a thread.

Creating Thread Using *Threading* Module:

To implement a new thread using the threading module, you have to do the following:

- Define a new subclass of the *Thread* class.