

```
1  public class ThreadID {
2      private static volatile int nextID = 0;
3      private static class ThreadLocalID extends ThreadLocal<Integer> {
4          protected synchronized Integer initialValue() {
5              return nextID++;
6          }
7      }
8      private static ThreadLocalID threadID = new ThreadLocalID();
9      public static int get() {
10         return threadID.get();
11     }
12     public static void set(int index) {
13         threadID.set(index);
14     }
15 }
```

FIGURE A.3 The ThreadID class: Give each thread a unique identifier.