

```
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.