1 **public** **class** AtmTransaction **implements** Runnable

2 {

3 **private** Counter shared;

4

5 **public** AtmTransaction(Counter shared)

6 {

7 **this**.shared = shared;

8 }

9

10 **public** **void** run()

11 {

12 **int** count;

13

14 **while(true)**

15 {

17 **try**

18 {

19 **synchronized**(shared) **//incrementing of the transaction counter**

20 {

21 **if**(shared.getCount() >= 3) **//reached transaction limit**

22 {

23 **break**;

24 }

25 count = shared.getCounter();

26 Thread.sleep(10); **//simulate end of time quantum**

27 shared.setCounter(count + 1);

28 Counter.outputCounter();

29 }

30 }

31 **catch**(InterruptedException e)

32 {

33 }

34 **//code to process a deposit**

35 }

36 System.out.println("An ATM is shutting down");

37 }

38 }

**Figure 14.29 The class AtmTransaction.**