1 **import** java.util.Random;

2 **import** java.util.concurrent.ArrayBlockingQueue;

3

4 **public** **class** ProducerV3 **implements** Runnable

5 {

6 ArrayBlockingQueue <Integer> sharedData;

7 Random delay = **new** Random();

8

9 **public** ProducerV3(ArrayBlockingQueue <Integer> sharedData)

10 {

11 **this**.sharedData = sharedData;

12 }

13

14 **public** **void** run()

15 {

16 **for**(**int** i = 1; i <= 10; i++)

17 {

18 **try**

19 {

20 Thread.sleep(delay.nextInt(10) + 1); **//simulate data processing**

21 sharedData.put(i);

22 System.out.println("Produced " + i);

23 }

24 **catch**(InterruptedException e)

25 {

26 }

27 }

28 }

29 }

**Figure 14.26The class ProducerV3.**