1 **public** **class** GenericsArrayParameters

2 {

3 **public** st**a**tic **void** main(String[] args)

4 {

5 Integer[] intArray = {10, 20, 30, 40, 50};

6 Double[] doubleArray = {11.1, 22.2, 33.3, 44.4};

7 Student[] studentArray = **new** Student[2];

8 **int** intReturned;

9 **double** doubleReturned;

10 Student studentReturned;

11

12 studentArray[0] = **new** Student(19, "Sam Jones");

13 studentArray[1] = **new** Student(20, "Nora King");

14

15 intReturned = outputArray(intArray, 3); **//AutoUnboxing the int**

16 doubleReturned = outputArray(doubleArray, 2); **//AutoBoxing the real**

17 studentReturned = outputArray(studentArray, 1);

18

19 System.out.println(intReturned);

20 System.out.println(doubleReturned);

21 System.out.println(studentReturned);

22 }

23

24 **public** **static** <T> T outputArray(T[] anArray, **int** elementReturned)

25 {

26 **for**(**int** i = 0; i < anArray.length; i++)

27 {

28 System.out.println(anArray[i]);

29 }

30 System.out.println();

31

32 **return** anArray[elementReturned];

33 }

34 }

**Figure 13.7 The application GenericArrayParameters.**