1 **import** java.util.Scanner;

2 **import** java.io.\*;

3 **import** javax.swing.\*;

4

5 **public** **class** DeleteFileItem

6 {

7 **public** **static** **void** main(String[] args) **throws** IOException

8 {

9 **double**[] data;

10 **double** deletedItem;

11 **int** count = 0;

12

13 **//Step 1: Open the file, read the number of items, allocate the array**

14 File fileObject = **new** File("data.txt");

15 Scanner fileIn = **new** Scanner(fileObject);

16 count = fileIn.nextInt();

17 data = **new** double[count]

18

19 **//Step 2: Read all of the file's data items into the array**

20 **for**(**int** i = 0; i < count; i++)

21 {

22 data[i] = fileIn.nextDouble();

23 }

24

25 **//Step 3: Close the file**

26 fileIn.close();

27

28 **//Step 4: Delete and recreate the file**

29 FileWriter fileWriterObject = **new** FileWriter("data.txt");

30 PrintWriter fileOut = **new** PrintWriter(fileWriterObject, false);

31 fileOut.println(count - 1);

32

33 **//Step 5: write the elements of the array without the deleted item**

34 String s = JOptionPane.showInputDialog("enter score to delete");

35 deletedItem = Double.parseDouble(s);

36 **for**(**int** i = 0; i < count; i++)

37 {

38 **if**(data[i] != deletedItem)

39 {

40 fileOut.println(data[i]);

41 }

42 }

43

44 **//Step 6: Close the file**

45 fileOut.close();

46 }

47 }

**Figure 6.33 The application DeleteFileItem.**