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

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

3

4 **public** **class** DiskIO

5 {

6 pub**l**ic **static** **void** main(String[] args) **throws** IOException

7 {

8 File fileObject = **new** File("data.txt"); **// input**

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

10 FileWriter fileWriterObject = **new** FileWriter("data.txt"); **// output**

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

12

13 String name = "Nora Smith";

14 **int** age = 5;

15 **double** weight = 35.4;

16

17 **// write three data items to the disk file**

18 fileOut.println(age + " " + weight);

19 fileOut.println(name);

20 fileOut.close();

21

22 **//read the data from the disk file**

23 age = fileIn.nextInt();

24 weight = fileIn.nextDouble();

25 fileIn.nextLine(); **// clears New Line after a numeric from the buffer**

26 name = fileIn.nextLine();

27 fileIn.close();

28

29 System.out.println("Age: " + age + " Weight: " + weight +

30 " Name: " + name);

31 }

32 }

**System console output**

Age: 5 Weight: 35.4 Name: Nora Smith

**Figure 4.20 The application DiskIO and the console output it produces outputs.**