

- *12.7** (*NumberFormatException*) Write the `bin2Dec(String binaryString)` method to convert a binary string into a decimal number. Implement the `bin2Dec` method to throw a `NumberFormatException` if the string is not a binary string.
- *12.10** (*OutOfMemoryError*) Write a program that causes the JVM to throw an `OutOfMemoryError` and catches and handles this error.
- **12.11** (*Remove text*) Write a program that removes all the occurrences of a specified string from a text file. For example, invoking
- ```
java Exercise12_11 John filename
```
- removes the string `John` from the specified file. Your program should get the arguments from the command line.
- \*12.13** (*Count characters, words, and lines in a file*) Write a program that will count the number of characters, words, and lines in a file. Words are separated by whitespace characters. The file name should be passed as a command-line argument, as shown in Figure 12.13.



```
Command Prompt
c:\exercise>java Exercise12_13 Loan.java
File Loan.java has
1919 characters
210 words
71 lines
c:\exercise>
```

**FIGURE 12.13** The program displays the number of characters, words, and lines in the given file.

- \*12.14** (*Process scores in a text file*) Suppose that a text file contains an unspecified number of scores separated by blanks. Write a program that prompts the user to enter the file, reads the scores from the file, and displays their total and average.