1 **import** javax.swing.\*;

2

3 **public** **class** ParseSentence

4 {

5 **public** **static** **void** main(String[] args)

6 {

7 **int** upperCase = 0;

8 **int** lowerCase = 0;

9 **int** numeric = 0;

10 **int** whitespace = 0;

11 **char** c;

12

13 String sentence = JOptionPane.showInputDialog("Enter a sentence");

14 **for**(**int** i = 0; i < sentence.length(); i++)

15 {

16 c = sentence.charAt(i);

17 **if**(Character.isUpperCase(c))

18 {

19 upperCase++;

20 }

21 **else** **if**(Character.isLowerCase(c))

22 {

23 lowerCase++;

24 }

25 **else** **if**(Character.isDigit(c))

26 {

27 numeric++;

28 }

29 **else** **if**(Character.isWhitespace(c))

30 {

31 whitespace++;

32 }

33 }

34 JOptionPane.showMessageDialog(null, "The sentence contains:\n" +

35 upperCase + " Upper case letters,\n" +

36 lowerCase + " Lower case letters,\n" +

37 numeric + " Digits and\n" +

38 whitespace + " Whitespace characters");

39 }

40 }

**Figure 7.19 The application ParseSentence.**