PROGRAMMING CHALLENGES

Here are some challenges to build on and improve the Hangman game you created in this chapter.

#1: MORE WORDS

Add your own words to the words array. Remember to enter words in all lowercase.

#2: CAPITAL LETTERS

If a player guesses a capital letter, it won't match a lowercase letter in the secret word. To address this potential problem, convert the player's guess to lowercase. (Hint: You can use the toLowerCase method to convert a string to lowercase.)

#3: LIMITING GUESSES

Our Hangman game gives a player unlimited guesses. Add a variable to track the number of guesses and end the game if the player runs out of guesses. (Hint: Check this variable in the same while loop that checks whether remainingLetters > 0. As we did in Chapter 2, you can use && to check whether two Boolean conditions are true.)

#4: FIXING A BUG

There's a bug in the game: if you keep guessing the same correct letter, remainingLetters will keep decrementing. Can you fix it? (Hint: You could add another condition to check whether a value in answerArray is still an underscore. If it's not an underscore, then that letter must have been guessed already.)