Listing 6.12 shows how the two statements work. The program lets you enter a line of text. The loop echoes each character and uses break to terminate the loop if the character is a period. This shows how you can use break to terminate a loop from within when some condition becomes true. Next the program counts spaces, but not other characters. The loop uses continue to skip over the counting part of the loop when the character isn’t a space.

Listing 6.12 jump.cpp

// jump.cpp -- using continue and break
#include <iostream>
using namespace std;
const int ArSize = 80;
int main()
{
    char line[ArSize];
    int spaces = 0;

    cout << "Enter a line of text:\n";
    cin.get(line, ArSize);
    for (int i = 0; line[i] != '\0'; i++)
    {
        cout << line[i];    // display character
        if (line[i] == '.') // quit if it's a period
            break;
        if (line[i] != ' ') // skip rest of loop
            continue;
        spaces++;
    }
    cout << "\n" << spaces << " spaces\n";
    cout << "Done.\n";