to int. Also, the enumerators are promoted to type int in the while loop test condition.

Listing 6.11 enum.cpp

// enum.cpp -- use enum
#include <iostream>
using namespace std;
// create named constants for 0 - 6
enum {red, orange, yellow, green, blue, violet, indigo};

int main()
{
    cout << "Enter color code (0-6): ";
    int code;
    cin >> code;
    while (code >= red && code <= indigo)
    {
        switch (code)
        {
        case red     : cout << "Her lips were red.\n"; break;
        case orange  : cout << "Her hair was orange.\n"; break;
        case yellow  : cout << "Her shoes were yellow.\n"; break;
        case green   : cout << "Her nails were green.\n"; break;
        case blue    : cout << "Her sweatsuit was blue.\n"; break;
        case violet  : cout << "Her eyes were violet.\n"; break;
        case indigo  : cout << "Her mood was indigo.\n"; break;
        }
        cout << "Enter color code (0-6): ";
        cin >> code;
    }
    cout << "Bye\n";
    return 0;
}

Here's a sample output: