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1  /*
2  -----
3  Laboratoire : labo_01
4  Fichier      : color.cpp
5  Auteur(s)    : Emmanuelle Comte et David Gallay
6  Date         : 24.02.2020
7
8  But          : Function definition for header color.h
9  Remarque(s) :
10 Compileur    : MinGW-g++ 6.3.0 and g++ 7.4.0
11 -----*/
12
13 #include "color.h"
14
15 using namespace std;
16
17 Color::Color(Code code): mCode(code) {
18
19 }
20
21 Color::Code Color::getColorCode() const {
22     return mCode;
23 }
24
25 Color& Color::setColor(Code code) {
26     mCode = code;
27     return *this;
28 }
29
30 string Color::getName() const {
31     return toString(mCode);
32 }
33
34 string toString(const Color::Code& code) {
35     switch (code)
36     {
37         case Color::Code::WHITE:
38             return "white";
39         case Color::Code::BLUE:
40             return "blue";
41         case Color::Code::GREEN:
42             return "green";
43         case Color::Code::RED:
44             return "red";
45         case Color::Code::BLACK:
46             return "black";
47
48         default:
49             return "unknown";
50     }
51     return "unknown";
52 }
53
54 ostream& Color::display(ostream& stream) const {
55     return stream << getName();
56 }
57
58 ostream& operator<<(ostream& stream, const Color& color) {
59     return color.display(stream);
60 }
61
```