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 2
    Laboratoire : labo_01
 3
    Fichier : square.cpp
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Date : 24.02.2020
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                 : Function definition for header square.h
    But.
 9
     Remarque(s):
10
     Compilateur: MinGW-g++ 6.3.0 and g++ 7.4.0
11
12
13
     #include "square.h"
14
15
     using namespace std;
16
     Square::Square(double side, const Color& color): mSide(side), mColor(color) {
17
18
19
     }
20
21
     Square::Square(const Color& color): Square() {
22
         setColor(color);
23
     }
24
25
     Square::Square(Color::Code code): Square(Color(code)) {
26
27
     }
28
29
     double Square::getSide() const {
30
         return mSide;
31
32
33
     double Square::getSurface() const {
34
         return mSide * mSide;
35
     }
36
37
     Color Square::getColor() const {
38
         return mColor;
39
     }
40
41
     Square& Square::setSide(double side) {
42
         mSide = side;
43
         return *this;
44
45
46
    Square& Square::setColor(const Color& color) {
47
        mColor = color;
         return *this;
48
49
    }
50
51
    Square& Square::setColor(Color::Code color) {
52
         setColor(Color(color));
53
         return *this;
54
    }
55
56
    ostream& Square::display(ostream& stream) const {
57
         return stream << "Square Width: " << mSide << ", Color: " << mColor;</pre>
58
59
60
     ostream& operator<<(ostream& stream, const Square& square) {</pre>
61
         return square.display(stream);
62
63
```