Square.h

```
2 * AUTHOR
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4 * ASSIGNMENT#5 : Abstract Class
5 * CLASS
               : CS1C
6 * SECTION
              : MW 5:00pm
7 * DUE DATE : 3/2/20
10#ifndef SQUARE_H_
11#define SQUARE_H_
13 #include "Shape.h"
14 #include "Math.h" // math functions like sqrt & pow
16 class Square: public Shape
17 {
18
     public:
19
20
     double CalcPerimeter(double a, double b, double c)
21
22
         return sPerimeter = 4 * a;
23
     }
24
25
     double CalcArea(double d, double e, double f)
26
27
         return sArea = pow(d, 2);
28
     }
29
30
     void Print()
31
32
         std::cout << "Perimeter of the square is " << std::fixed</pre>
33
                 << std::setprecision(2) << Square::sPerimeter
34
         std::endl << "The area of the square is " << std::fixed</pre>
35
36
                 << std::setprecision(2)<< Square::sArea;
37
     }
38
39
     private:
40
     double sPerimeter; // CALC & OUT - Holds the value of the perimeter
41
     double sArea;  // CALC & OUT - Holds the value of the area
42 };
44#endif /* SQUARE_H_ */
45
```