



ST2-PRACTICE

🕒 1d 23h  
to test end

## ☆ inheritance



Write a program to calculate square and cube of a number N using classes Number, Square and Cube.

Constraint:

$1 \leq N \leq 1000$

Sample Input:

2

Sample Output:

Square of 2 is: 4

Cube of 2 is: 8

**YOUR ANSWER**

We recommend you take a quick tour of our editor before you proceed. The timer will pause up to 90 seconds for the tour.

[Start tour](#)[Original code](#)

C++





ST2-PRACTICE

⌚ 1d 23h  
to test end

```

25 class Cube;
26 class Number
27 {   private:
28     int num;
29     public:
30         Number(int x);
31         int returnNumber();
32     };
33
34 Number::Number(int x)
35 {
36     num=x;
37 }
38 int Number::returnNumber()
39 {
40     return 0;
41 }
42 class Square::public Number
43 {
44     public:
45     int p;
46     Square(int n,int n):Number(n)
47     {
48         p=n;
49     }
50     int getSquare()
51     {
52         return p*p;
53     }
54     void returnNumber()
55     {
56         cout<<p;
57     }
58 };
59 class Cube::public Number
60 {
61     public:
62     int c,q;
63     Square(int n,int n):Number(n)
64     {
65         q=n;
66     }
67     int getSquare()
68     {
69         return q*q;

```



ST2-PRACTICE


🕒 1d 23h  
to test end



---

(You can submit any number of times)



 [Download sample test cases](#) *The input/output files have Unix line endings. Do not use Notepad to edit them on windows.*

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17



ST2-PRACTICE

🕒 1d 23h  
to test end



1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17