

The Cube

Problem ID: a01p01cube

Write a program which computes the cube of a number.

Input

One line containing the integer n , where $-1\,000 \leq n \leq 1\,000$.

Output

One line containing the integer n^3 .

Sample Input 1	Sample Output 1
-1	-1
Sample Input 2	Sample Output 2
-5	-125
Sample Input 3	Sample Output 3
0	0
Sample Input 4	Sample Output 4
1	1
Sample Input 5	Sample Output 5
2	8
Sample Input 6	Sample Output 6
8	512