X Cubic

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Write a program which calculates the cube of a given integer x.

Input

An integer x is given in a line.

Output

Print the cube of x in a line.

Constraints

- $1 \le x \le 100$

Sample Input 1

```
2
```

Sample Output 1

```
8
```

Sample Input 2

```
3
```

Sample Output 2

```
27
```

Source: https://onlinejudge.u-aizu.ac.jp/problems/ITP1_1_B