

Check [Tutorial](#) tab to know how to solve.

**Task**

The provided code stub reads and integer,  $n$ , from STDIN. For all non-negative integers  $i < n$ , print  $i^2$ .

**Example**

$n = 3$

The list of non-negative integers that are less than  $n = 3$  is  $[0, 1, 2]$ . Print the square of each number on a separate line.

```
0
1
4
```

**Input Format**

The first and only line contains the integer,  $n$ .

**Constraints**

$1 \leq n \leq 20$

**Output Format**

Print  $n$  lines, one corresponding to each  $i$ .

**Sample Input 0**

```
5
```

**Sample Output 0**

```
0
1
4
9
16
```