Check Tutorial tab to know how to 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
```

Change Theme Language Python 3

```python
if __name__ == '__main__':
    n = int(input())
    for i in range(n):
        print(i**2)

```

Line: 5 Col: 1

Upload Code as File Test against custom input Run Code Submit Code

Test case 0

Test case 1

Compiler Message

Success

Input (stdin) Download

```
5
```

Expected Output Download

```
0
1
4
9
16
```