Loops ★

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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
```

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```
1   if __name__ == '__main__':
2       n = int(input())
3
4       for i in range(n):
5           print(i**2)
6
```

Line: 6 Col: 1

⬆ Upload Code as File   ☐ Test against custom input

Run Code   Submit Code

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Python ★

Congratulations

You solved this challenge. Would you like to challenge your friends?

Next Challenge

⊘ **Test case 0**

⊘ **Test case 1** 🔒

Compiler Message

Success

Input (stdin)   Download

```
1   5
```

Expected Output   Download

```
1   0
2   1
3   4
4   9
5   16
```