

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
```

Author

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Difficulty

Easy

Max Score

10

Submitted By

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```
1 if __name__ == '__main__':
2     n = int(input())
3
4     sq = 0
5     for i in range(n):
6
7         sq = i ** 2
8         print(sq)
9
```