
Squares (2)

P34080_en

Write a program that prints squares $n \times n$. Draw each square independently, and start filling it with 0, 1, ..., 9, 0, etc.

Input

Input consists of several natural numbers between 1 and 9.

Output

For every n , print a square of size $n \times n$, by filling it with 0, 1, ..., 9, 0, etc. Separate two squares with an empty line.

Sample input 1

```
3
1
6
```

Sample output 1

```
012
345
678

0

012345
678901
234567
890123
456789
012345
```

Sample input 2

Sample output 2

Sample input 3

```
5
```

Sample output 3

```
01234
56789
01234
56789
01234
```

Problem information

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Generation : 2016-12-15 01:13:16

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