
Squares (3)

P39359_en

Write a program that prints squares $n \times n$. To fill all the squares, start using 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 $n \times n$. Start filling the squares with 0, 1, ..., 9, 0, etc. Separate two squares with an empty line.

Sample input 1

```
3
6
1
```

Sample output 1

```
012
345
678

901234
567890
123456
789012
345678
901234

5
```

Sample input 2

Sample output 2

Sample input 3

```
5
```

Sample output 3

```
01234
56789
01234
56789
01234
```

Problem information

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