**10. Column-wise Matrix Fill**

**Condition:**

Write a program that, given an input number 0 <N<10 , prints a square matrix filled with the numbers from 1 to N 2 , arranged sequentially in columns.

**Input:**

* On one line enters the number N.

**Output:**

* The square matrix is output with one space between the numbers and a new line after its end .

**Examples:**

|  |  |
| --- | --- |
| **Input** | **Output** |
| 5 | 1 2 3 4 5  6 7 8 9 10  11 12 13 14 15  16 17 18 19 20  21 22 23 24 25 |
| 2 | 1 2  3 4 |
| 4 | 1 2 3 4  5 6 7 8  9 10 11 12  13 14 15 16 |