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**Problem statement**

7. Print Pascal triangle of dimension *n* of all combinations *C(m,k)* of *m* objects taken by *k, k = 0, 1,..., m*, for line *m*, where *m = 1, 2, ..., n*.

**Usage scenario**

Input: 1

Outpu: 1

Input: 2

Output: 1

1. 1

Input: 3

Output: 1

1 1

1 2 1

1 3 3 1

Input: 7

Output: 1

1 1

1 2 1

1 3 3 1

1 4 6 4 1

1 5 10 10 5 1

1 6 15 20 15 6 1

1 7 21 35 35 21 7 1

Input: 4

Output: 1

1 1

1 2 1

1 3 3 1

1 4 6 4 1

Input: 5

Output: 1

1 1

1 2 1

1 3 3 1

1 4 6 4 1

1 5 10 10 5 1

Input: 10

Output: 1

1 1

1 2 1

1 3 3 1

1 4 6 4 1

1 5 10 10 5 1

1 6 15 20 15 6 1

1 7 21 35 35 21 7 1

1 8 28 56 70 56 28 8 1

1 9 36 84 126 84 36 9 1

1 10 45 120 210 252 210 120 45 10 1

**Feature list**

F1 Read the dimension of the triangle

F2 Initialize the first diagonal and the first column with 1

F3 Complete Pascal’s triangle

F4 Print Pascal’s triangle