## PDS Lab Section 1

## **Bonus question [10 marks]**

The following diagram is called the Pascal's triangle, where the k-th entry (from left) on n-th line is:

$$\binom{n}{k} = \binom{n-1}{k-1} + \binom{n-1}{k}$$

Here n = 0, 1, 2, ... and k = 0, ..., n.

This is a formatted printing of the Pascal's triangle:

In the above example n=0-th line has the single entry : 1.

Write a C – program to print the **formatted** Pascal's triangle for a given input n rows.

**Hint**: pre-calculate the number of blank spaces before each line.