Given two integers n and k, return *all possible combinations of* k *numbers chosen from the range* [1, n].

You may return the answer in **any order**.

**Example 1:**

Input: n = 4, k = 2  
Output: [[1,2],[1,3],[1,4],[2,3],[2,4],[3,4]]  
Explanation: There are 4 choose 2 = 6 total combinations.  
Note that combinations are unordered, i.e., [1,2] and [2,1] are considered to be the same combination.

**Example 2:**

Input: n = 1, k = 1  
Output: [[1]]  
Explanation: There is 1 choose 1 = 1 total combination.

**Constraints:**

* 1 <= n <= 20
* 1 <= k <= n