**Step-by-Step Breakdown**

**Step 1: Get User Input**

n = int(input("Enter your number: "))

* The user is prompted to input a number (n), which determines the number of rows in the pyramid.
* int() converts the input into an integer.
* Example:
  + Input: 4

**Step 2: Loop Through Rows**

for i in range(1, n + 1):

* The for loop iterates over a range from 1 to n + 1 (inclusive of 1 but exclusive of n + 1).
* Each iteration represents a row of the pyramid.

**Step 3: Print Spaces and Stars**

print(" " \* (n - i) + "\*" \* (2 \* i - 1))

* **Spaces:**
  + " " \* (n - i) adds leading spaces to center the stars.
  + For each row i, the number of spaces is calculated as n - i.
* **Stars:**
  + "\*" \* (2 \* i - 1) creates the star pattern for each row.
  + The number of stars in row i is 2 \* i - 1.
* **Combined Output:**
  + Spaces and stars are concatenated and printed together to form the pyramid.

**Example Walkthrough**

**Input:**

Enter your number: 4

**Execution:**

1. **Row 1 (i = 1):**
   * Spaces: " " \* (4 - 1) = " "
   * Stars: "\*" \* (2 \* 1 - 1) = "\*"
   * Output: " \*"
2. **Row 2 (i = 2):**
   * Spaces: " " \* (4 - 2) = " "
   * Stars: "\*" \* (2 \* 2 - 1) = "\*\*\*"
   * Output: " \*\*\*"
3. **Row 3 (i = 3):**
   * Spaces: " " \* (4 - 3) = " "
   * Stars: "\*" \* (2 \* 3 - 1) = "\*\*\*\*\*"
   * Output: " \*\*\*\*\*"
4. **Row 4 (i = 4):**
   * Spaces: " " \* (4 - 4) = "" (no spaces)
   * Stars: "\*" \* (2 \* 4 - 1) = "\*\*\*\*\*\*\*"
   * Output: "\*\*\*\*\*\*\*"

**Final Output:**

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