Write Program in C, C++, Java or Any Language.

1. Hollow Diamond Inside a Square

WAP to print a hollow diamond inside a square.

Input: n = 7

Output:



2. Hollow Rhombus

Question: Print a hollow rhombus pattern.

Input: n = 5

Output:

3. X Shape

Question: Print an X pattern.

Input: n = 5

Output:

4. Spiral Matrix Pattern

Question: Print a spiral matrix with numbers.

Input: n = 5
Output:

5. Zigzag Number Pattern

Question: Print a zigzag pattern using numbers.

Input: n = 5

Output:

6. Pascal's Triangle (Numbers)

Question: Print Pascal's triangle.

Input: n = 6

Output:

7. Star Pascal's Triangle

Question: Print Pascal's triangle using *.

Input: n = 5
Output:



8. Number Pyramid with Increasing Order

Question: Print a number pyramid in increasing order.

Input: n = 5

Output:

1 2 3 2 3 4 5 4 3 4 5 6 7 6 5 4 5 6 7 8 9 8 7 6 5

9. Numeric Diamond Pattern

Question: Print a numeric diamond pattern.

Input: n = 5

Output:

10. Butterfly Number Pattern

Question: Print a butterfly pattern using numbers.

Input: n = 4

Output:

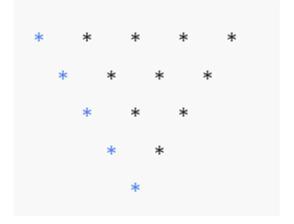
1	1
12	21
123	321
12344321	
123	321
12	21
1	1

11. Fancy Triangle Pattern

Question: Print a complex star triangle.

Input: n = 5

Output:



12. Pyramid of Palindromic Numbers

Question: Print a palindromic pyramid.

Input: n = 5
Output:

13. Hollow Square with Diagonals

Question: Print a hollow square with diagonals.

Input: n = 5

Output:



14. Triangle Spiral Pattern

Question: Print a spiral-like pattern using numbers.

Input: n = 5
Output:

15. Hollow Pyramid with Increasing Numbers

Question: Print a hollow pyramid where the outer edges contain numbers.

Input: n = 5
Output: