

## Nested Loop Assignment:

1. Print a multiplication table for a given number.
2. Print a half-diamond pattern of numbers.
3. Print a chessboard pattern using X and 0.
4. Print a hollow square pattern of stars with a border and empty inside.
5. Print a pattern of inverted right-angle triangles.
6. Print a pattern where each row contains an increasing number of stars (\*).
7. Print a number pyramid with each number showing the row number.
8. Print a Fibonacci series pattern where each row contains the Fibonacci number.
9. Print a pattern where each row contains an increasing sequence of numbers.
10. Print a mirror image of a right-angled triangle pattern.
11. Print a reverse pyramid using numbers.
12. Print a pattern with numbers increasing left to right and top to bottom.
13. Print a staircase pattern using stars (\*).
14. Print an equilateral triangle pattern using stars (\*).
15. Print a square pattern of numbers increasing by row and column.
16. Print a triangular pattern with alternating 1 and 0.
17. Print a square pattern where the border is 1 and the inside is 0.
18. Print a hollow right triangle using stars (\*).
19. Print a number pyramid with alternating numbers in each row.
20. Print a pattern of stars (\*) that forms a square rotated by 45 degrees.
21. Create a pattern of numbers forming a Pascal's Triangle.
22. Print a pattern of alphabet letters forming a triangle.
23. Print a checkerboard pattern with alternating X and 0.
24. Print a pattern of prime numbers arranged in a square grid.
25. Create a right-angle triangle pattern with descending numbers from n.