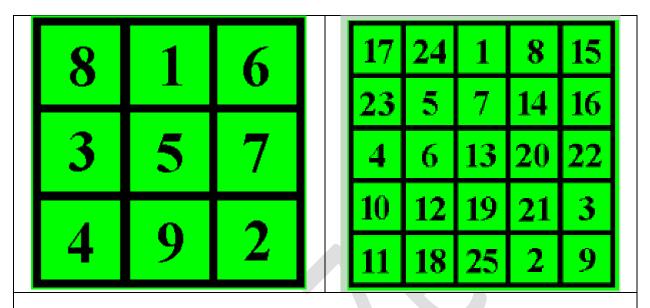
CREATIVE PROBLEM SOLVING

sandeep@beingzero.in

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MAGIC SQUARE GENERATOR

CONCEPTS: Arrays, Loops, Arithmetic

LEVEL: Easy

MAGIC SQUARE is an odd sized matrix that has numbers from 1 – NxN in such a way that

- 1. Sum of each row
- 2. Sum of each column
- 3. Sum of both diagonals

Results into same value. Logic to fill the square is to start with middle element of first row and then following logic to fill next number:

- 1. Top Right [If Element Location is Free]
- 2. Bottom [If Element Location on Top Right is Occupied]

PROBLEM STATEMENT

Given an odd integer N, generate and print a magic square. Dynamically Allocate the array based on value of N.

<u>Input</u>

N – an odd integer

Ouptut

A magic square of size NxN.

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SAMPLE TEST CASES

	Input	Output
Test Case 1	3	8 1 6 3 5 7 4 9 2
Test Case 2	5	17 24 1 8 15 23 5 7 14 16 4 6 13 20 22 10 12 19 21 3 11 18 25 2 9