Experiment No: 2

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Title: Tic Tac Toe game implementation by Magic Square Method

Postlab:

1. What is the relationship between tic tac toe and magic square?
Ans: A game of Tic Tac Toe could be mapped to magic square. A player who places his coins first across the same row or same column or same diagonal wins the game. Let us take a magic square of order 3x3 (for 3 coins game). The sum of the numbers across rows, columns and diagonals are the same - it is 15.

2. What is a magic square of order n?
Ans: A magic square of order n is an arrangement of n^2 numbers, usually distinct integers, in a square, such that the n numbers in all rows, all columns, and both diagonals sum to the same constant. A magic square contains the integers from 1 to n^2.