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### Tic-tac-toe - Wikipedia

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### **tic-tac-toe**

Project Members:

Md. Mahmud Islam

1520428042

Section 5

Md. Abdullah Al Jobaer

1512028042

Section 6

This Project Submitted To

Ashik Mostafa Alvi

(Lab Instructor)

What is **tic-tac-toe?** *(also known as noughts and crosses or Xs and Os)*

It is a game we used play at our school days. It was a paper-and-pencil game for two players, *X* and *O*, who take turns marking the spaces in a 3×3 grid. The player who succeeds in placing three of their marks in a horizontal, vertical, or diagonal row wins the game.

***Features:***

1. Two player can play
2. The game is played on a grid that's 3 squares by 3 squares.
3. You are X, your friend (or the computer in this case) is O. Players take turns putting their marks in empty squares.
4. The first player to get 3 of her marks in a row (up, down, across, or diagonally) is the winner.
5. When all 9 squares are full, the game is over. If no player has 3 marks in a row, the game ends in a tie.

***Used Functions in The Program:***

* 1. int checkwin(): This function will return game status. Returns 1 when game is over with result. Returns -1 when game is in progress. Returns 0 when game is over and no result.
  2. void board(): This function will draw the board of the game with players mark.

***Reference:***