

FinishedWorkingVersion_2

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1 Finished Working Version 2

1.1 How to Play

There are two players for the game.

The goal of the game is to get three noughts or crosses aligned within a 3x3 grid.

This can occur horizontally, vertically or diagonally.

If there no noughts or crosses aligned, the players have drawed and the game starts again.

```
In [ ]: Player_1 = 'X'
        Player_2 = 'O'

def clear_board():
    board = [" ", " ", " ", " ", " ", " ", " ", " ", " "] # Creates empty spaces for the board
    return board

Continue = "Yes"

def print_board(board): # Prints the board in a grid format
    print(' {} | {} | {} '.format(board[1], board[2], board[3]))
    print('-----')
    print(' {} | {} | {} '.format(board[4], board[5], board[6]))
    print('-----')
    print(' {} | {} | {} '.format(board[7], board[8], board[9]))

def winner(char, board):
    if (board[1] == board[2] == board[3] == char or
        board[4] == board[5] == board[6] == char or
        board[7] == board[8] == board[9] == char or # Checks horizontal wins

        board[1] == board[4] == board[7] == char or
        board[2] == board[5] == board[8] == char or
        board[3] == board[6] == board[9] == char or # Check vertical wins
```



```

    |  |
Player Two:
Select a position3
    |  | 0
-----
    | X |
-----
    |  |
Player One:
Select a position1
    X |  | 0
-----
    | X |
-----
    |  |
Player Two:
Select a position7
    X |  | 0
-----
    | X |
-----
    0 |  |
Player One:
Select a position9
    X |  | 0
-----
    | X |
-----
    0 |  | X
Player 1 wins!!!
Player Two:

```