

```
# Tic Tac Toe Game (Player vs Player)
```

```
def print_board(board):  
    print("\n")  
    print(board[0] + " | " + board[1] + " | " + board[2])  
    print("---+---+---")  
    print(board[3] + " | " + board[4] + " | " + board[5])  
    print("---+---+---")  
    print(board[6] + " | " + board[7] + " | " + board[8])  
    print("\n")
```

```
def check_winner(board, player):  
    # All winning combinations  
    win_combinations = [  
        [0, 1, 2], [3, 4, 5], [6, 7, 8], # Rows  
        [0, 3, 6], [1, 4, 7], [2, 5, 8], # Columns  
        [0, 4, 8], [2, 4, 6]             # Diagonals  
    ]  
    for combo in win_combinations:  
        if all(board[i] == player for i in combo):  
            return True  
    return False
```

```
def is_full(board):  
    return all(cell != ' ' for cell in board)
```

```
def tic_tac_toe():  
    board = [' '] * 9  
    current_player = 'X'  
  
    print("Welcome to Tic Tac Toe!")  
    print_board(board)  
  
    while True:  
        move = int(input(f"Player {current_player}, choose a position (1-9): ")) - 1  
  
        if move < 0 or move > 8 or board[move] != ' ':  
            print("Invalid move! Try again.")  
            continue  
  
        board[move] = current_player  
        print_board(board)
```

```
if check_winner(board, current_player):  
    print(f"🏆 Player {current_player} wins!")  
    break  
  
if is_full(board):  
    print("It's a draw! 🤝")  
    break  
  
# Switch player  
current_player = 'O' if current_player == 'X' else 'X'
```

```
# Run the game  
tic tac toe()
```

Welcome to Tic Tac Toe!

```

  |   |
--+---+--
  |   |
--+---+--
  |   |

```

Player X, choose a position (1-9): 1

```

X |   |
--+---+--
  |   |
--+---+--
  |   |

```

|

Player O, choose a position (1-9): 5

```

X |   |
--+---+--
  | O |
--+---+--
  |   |

```

Player X, choose a position (1-9): 9

```

X |   |
--+---+--
  | O |
--+---+--
  |   | X

```

Player O, choose a position (1-9): 3

```
X |   | O
--+---+--
   | O |
--+---+--
   |   | X
```

Player X, choose a position (1-9): 7

```
X |   | O
--+---+--
   | O |
--+---+--
X |   | X
```

Player O, choose a position (1-9): 8

```
X |   | O
--+---+--
   | O |
--+---+--
X | O | X
```

Player X, choose a position (1-9): 4

```
X |   | O
--+---+--
X | O |
--+---+--
X | O | X
```

🎉 Player X wins!