TIC TAC TOE PROBLEM

```python
def print_board(board):
    for row in board:
        print(" | ".join(row))
        print("---------")

def check_winner(board):
    for row in board:
        if row[0] == row[1] == row[2] != " ":
            return True
    for col in range(3):
        if board[0][col] == board[1][col] == board[2][col] != " ":
            return True
    if board[0][0] == board[1][1] == board[2][2] != " ":
        return True
    if board[0][2] == board[1][1] == board[2][0] != " ":
        return True
    return False

def is_full(board):
    for row in board:
        if " " in row:
            return False
    return True

def tic_tac_toe():
    print("Welcome to Tic Tac Toe!")
    board = [[" " for _ in range(3)] for _ in range(3)]
    print_board(board)
    current_player = "X"
    while True:
        try:
            row, col = map(int, input(f"Player {current_player}, enter your move (row and column:
1 1 for top-left): ").split())
            if row < 1 or row > 3 or col < 1 or col > 3:
                print("Invalid position! Enter numbers between 1 and 3.")
                continue
            if board[row - 1][col - 1] != " ":
                print("Cell already taken! Try again.")
                continue
            board[row - 1][col - 1] = current_player
            print_board(board)
            if check_winner(board):
                print(f"Player {current_player} wins! ")
                break
            if is_full(board):
                print("It's a tie! ")
```

```python
            break
        current_player = "O" if current_player == "X" else "X"
    except ValueError:
        print("Invalid input! Enter row and column numbers separated by a space.")

tic_tac_toe()
```

OUTPUT

```
 ---------
 O |   | X
 ---------
Player O, enter your move (row and column: 1 1 for top-left): 1 2
 O | O | X
 ---------
 X |   |
 ---------
 O |   | X
 ---------
Player X, enter your move (row and column: 1 1 for top-left): 2 2
 O | O | X
 ---------
 X | X |
 ---------
 O |   | X
 ---------
Player O, enter your move (row and column: 1 1 for top-left): 2 3
 O | O | X
 ---------
 X | X | O
 ---------
 O |   | X
 ---------
Player X, enter your move (row and column: 1 1 for top-left): 3 2
 O | O | X
 ---------
 X | X | O
 ---------
 O | X | X
 ---------
 It's a tie! 🧡
```

```
Welcome to Tic Tac Toe!
   |   |
---------
   |   |
---------
   |   |
---------
Player X, enter your move (row and column: 1 1 for top-left): 1 3
   |   | X
---------
   |   |
---------
   |   |
---------
Player O, enter your move (row and column: 1 1 for top-left): 1 1
O |   | X
---------
   |   |
---------
   |   |
---------
Player X, enter your move (row and column: 1 1 for top-left): 2 1
O |   | X
---------
X |   |
---------
   |   |
---------
Player O, enter your move (row and column: 1 1 for top-left): 3 1
O |   | X
---------
X |   |
---------
O |   |
---------
Player X, enter your move (row and column: 1 1 for top-left): 3 3
O |   | X
---------
X |   |
---------
O |   | X
---------
Player O, enter your move (row and column: 1 1 for top-left): 1 2
```