Exp-12 tic tac toe game

Code

board = [" "]\*9

def show():

print(board[0], "|", board[1], "|", board[2])

print("--+---+--")

print(board[3], "|", board[4], "|", board[5])

print("--+---+--")

print(board[6], "|", board[7], "|", board[8])

def check(p):

wins = [(0,1,2), (3,4,5), (6,7,8),

(0,3,6), (1,4,7), (2,5,8),

(0,4,8), (2,4,6)]

for i, j, k in wins:

if board[i] == board[j] == board[k] == p:

return True

return False

player = "X"

for turn in range(9):

show()

move = int(input(f"Player {player}, enter position (1-9): ")) - 1

if board[move] != " ":

print("Invalid move! Try again.")

continue

board[move] = player

if check(player):

show()

print(f"Player {player} wins!")

break

player = "O" if player == "X" else "X"

else:

show()

print("It's a draw!")

output

