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main.py

```
4 board = [" "]*9
5
6 # Function to display the board
7 def display_board():
8     print(board[0] + " | " + board[1] + " | " + board[2])
9     print("--+---+--")
10    print(board[3] + " | " + board[4] + " | " + board[5])
11    print("--+---+--")
12    print(board[6] + " | " + board[7] + " | " + board[8])
13
14 # Function to check if any player has won
15 def check_win():
16     win_conditions = [
17         [0, 1, 2], [3, 4, 5], [6, 7, 8], # Rows
18         [0, 3, 6], [1, 4, 7], [2, 5, 8], # Columns
19         [0, 4, 8], [2, 4, 6] # Diagonals
20     ]
21
22     for condition in win_conditions:
23         if board[condition[0]] == board[condition[1]] == board[condition[2]] != " ":
24             return True
25     return False
26
27 # Function to check if the board is full
28 def check_draw():
29     return " " not in board
30
31 # Function to play the game
32 def play_game():
33     current_player = "X"
34     game_over = False
35
36     while not game_over:
```

input

Enter the position (1-9):

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```
26
27 # Function to check if the board is full
28 def check_draw():
29     return " " not in board
30
31 # Function to play the game
32 def play_game():
33     current_player = "X"
34     game_over = False
35
36     while not game_over:
37         display_board()
38
39         position = int(input("Enter the position (1-9): ")) - 1
40
41         if board[position] == " ":
42             board[position] = current_player
43             if check_win():
44                 display_board()
45                 print("Player", current_player, "wins!")
46                 game_over = True
47             elif check_draw():
48                 display_board()
49                 print("It's a draw!")
50                 game_over = True
51             else:
52                 current_player = "O" if current_player == "X" else "X"
53         else:
54             print("Invalid move. Try again.")
55
56 # Start the game
57 play_game()
58
```

Enter the position (1-9):