

```

import math

def print_board(board):
    print("\n".join([" | ".join(row) for row in board]))
    print()

def check_winner(board):
    lines = board + [list(col) for col in zip(*board)]
    lines.append([board[i][i] for i in range(3)])
    lines.append([board[i][2 - i] for i in range(3)])

    for line in lines:
        if line.count(line[0]) == 3 and line[0] != " ":
            return line[0]
    return None

def is_full(board):
    return all(cell != " " for row in board for cell in row)

def minimax(board, depth, is_maximizing, alpha, beta, ai_symbol, human_symbol):
    winner = check_winner(board)
    if winner == ai_symbol:
        return 1
    elif winner == human_symbol:
        return -1
    elif is_full(board):
        return 0

    if is_maximizing:
        max_eval = -math.inf
        for i in range(3):
            for j in range(3):
                if board[i][j] == " ":
                    board[i][j] = ai_symbol
                    eval = minimax(board, depth + 1, False, alpha, beta, ai_symbol, human_symbol)
                    board[i][j] = " "
                    max_eval = max(max_eval, eval)
                    alpha = max(alpha, eval)
                    if beta <= alpha:
                        break
            return max_eval
    else:
        min_eval = math.inf
        for i in range(3):
            for j in range(3):
                if board[i][j] == " ":
                    board[i][j] = human_symbol
                    eval = minimax(board, depth + 1, True, alpha, beta, ai_symbol, human_symbol)
                    board[i][j] = " "
                    min_eval = min(min_eval, eval)
                    beta = min(beta, eval)
                    if beta <= alpha:
                        break
            return min_eval

def best_move(board, ai_symbol, human_symbol):
    best_score = -math.inf
    move = None
    for i in range(3):
        for j in range(3):
            if board[i][j] == " ":
                board[i][j] = ai_symbol
                score = minimax(board, 0, False, -math.inf, math.inf, ai_symbol, human_symbol)
                board[i][j] = " "
                if score > best_score:
                    best_score = score
                    move = (i, j)
    return move

def play_game():
    board = [[" " for _ in range(3)] for _ in range(3)]
    human_symbol = input("Choose your symbol (X/O): ").upper()
    ai_symbol = "O" if human_symbol == "X" else "X"
    turn = "X"

    print_board(board)

    while True:
        if turn == human_symbol:
            try:
                i, j = map(int, input("Enter row and column (0-2): ").split())
                if board[i][j] != " ":
                    print("Cell is already occupied. Try again.")
                    continue
                board[i][j] = human_symbol
            except ValueError:
                print("Invalid input. Please enter row and column indices (0-2).")
                continue
        else:
            move = best_move(board, ai_symbol, human_symbol)
            if move:
                i, j = move
                board[i][j] = ai_symbol
            else:
                print("No more moves available. Game is a draw.")
                break

        winner = check_winner(board)
        if winner:
            print(f"Player {winner} wins!")
            break
        elif is_full(board):
            print("Game is a draw.")
            break

        turn = "X" if turn == "O" else "O"

    print_board(board)

```

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    row = int(input("Enter row (0-2): "))
    col = int(input("Enter col (0-2): "))
    if board[row][col] != " ":
        print("Cell already taken!")
        continue
    board[row][col] = human_symbol
except (ValueError, IndexError):
    print("Invalid input. Please enter numbers from 0 to 2.")
    continue
else:
    print("AI is making a move...")
    row, col = best_move(board, ai_symbol, human_symbol)
    board[row][col] = ai_symbol

print_board(board)
winner = check_winner(board)
if winner:
    print(f"{winner} wins!")
    break
if is_full(board):
    print("It's a draw!")
    break

turn = ai_symbol if turn == human_symbol else human_symbol

if __name__ == "__main__":
    play_game()

```

➡ Choose your symbol (X/O): o

```

| | |
| | |
| | |

```

AI is making a move...

```

X | | |
| | |
| | |

```

Enter row (0-2): 2

Enter col (0-2): 2

```

X | | |
| | |
| | 0

```

AI is making a move...

```

X | | X
| | |
| | 0

```

Enter row (0-2): 0

Enter col (0-2): 1

```

X | 0 | X
| | |
| | 0

```

AI is making a move...

```

X | 0 | X
| | |
X | | 0

```

Enter row (0-2): 1

Enter col (0-2): 0

```

X | 0 | X
0 | | |
X | | 0

```

AI is making a move...

```

X | 0 | X
0 | X | |
X | | 0

```

X wins!

