# Tic Tac Toe Project

## 1. Explanation of the Code

This project is a simple implementation of the Tic Tac Toe game in Python. It allows two players (X and O) to take turns placing their marks on a 3x3 board. The program checks after each move whether a player has won or the game is a draw.

### How the Code Works:

- The board is represented as a list of 9 spaces.  
- The print\_board() function displays the board in a 3x3 format.  
- The check\_winner(symbol) function checks all possible winning combinations.  
- A while loop runs until the game ends either by a win or a draw.  
- Players take turns entering positions (1-9).  
- Invalid inputs or moves are handled with error messages.  
- The game ends when a player wins or all 9 moves are completed (draw).

### Why this Code is Useful:

This project demonstrates basic Python concepts including loops, conditions, functions, lists, and error handling. It is a good beginner project to practice logic building and user input handling in Python.

## Screenshot of Output

