

Tic Tac Toe game :-

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
  <title>Tic Tac Toe</title>
```

```
<style>
```

```
  body {
```

```
    font-family: Arial, sans-serif;
```

```
    display: flex;
```

```
    justify-content: center;
```

```
    align-items: center;
```

```
    height: 100vh;
```

```
    margin: 0;
```

```
    background-color: #f4f4f4;
```

```
  }
```

```
  .container {
```

```
    text-align: center;
```

```
  }
```

```
  #game-board {
```

```
    display: grid;
```

```
    grid-template-columns: repeat(3, 100px);
```

```
    grid-template-rows: repeat(3, 100px);
```

```
    gap: 5px;
```

```
    margin-bottom: 20px;
```

```
  }
```

```
  .cell {
```

```
    width: 100px;
```

```
    height: 100px;
```

Tic Tac Toe game :-

```
display: flex;
justify-content: center;
align-items: center;
font-size: 2rem;
cursor: pointer;
background-color: #e0e0e0;
}
```

```
.cell:hover {
background-color: #d0d0d0;
}
```

```
button {
padding: 10px 20px;
font-size: 1rem;
cursor: pointer;
}
```

```
#message {
margin-top: 10px;
font-size: 1.2rem;
color: #333;
}
```

</style>

</head>

<body>

<div class="container">

<h1>Tic Tac Toe</h1>

<div id="game-board">

<div class="cell" onclick="makeMove(0)"></div>

<div class="cell" onclick="makeMove(1)"></div>

Tic Tac Toe game :-

```
<div class="cell" onclick="makeMove(2)"></div>
<div class="cell" onclick="makeMove(3)"></div>
<div class="cell" onclick="makeMove(4)"></div>
<div class="cell" onclick="makeMove(5)"></div>
<div class="cell" onclick="makeMove(6)"></div>
<div class="cell" onclick="makeMove(7)"></div>
<div class="cell" onclick="makeMove(8)"></div>
</div>

<button onclick="resetGame()">Reset Game</button>

<p id="message"></p>
</div>

<script>

let board = ["", "", "", "", "", "", "", "", ""];
let currentPlayer = "X";
let gameActive = true;

const winningCombinations = [
  [0, 1, 2],
  [3, 4, 5],
  [6, 7, 8],
  [0, 3, 6],
  [1, 4, 7],
  [2, 5, 8],
  [0, 4, 8],
  [2, 4, 6]
];

function makeMove(index) {
  if (board[index] === "" && gameActive) {
    board[index] = currentPlayer;
    document.getElementsByClassName("cell")[index].innerText = currentPlayer;
  }
}
```

Tic Tac Toe game :-

```
        checkWinner();

        currentPlayer = currentPlayer === "X" ? "O" : "X";
    }
}

function checkWinner() {
    for (const combination of winningCombinations) {
        const [a, b, c] = combination;
        if (board[a] && board[a] === board[b] && board[a] === board[c]) {
            gameActive = false;
            document.getElementById("message").innerText = `${board[a]} wins!`;
            return;
        }
    }

    if (!board.includes("")) {
        gameActive = false;
        document.getElementById("message").innerText = "It's a draw!";
    }
}

function resetGame() {
    board = ["", "", "", "", "", "", "", "", "", ""];
    gameActive = true;
    currentPlayer = "X";
    document.querySelectorAll(".cell").forEach(cell => (cell.innerText = ""));
    document.getElementById("message").innerText = "";
}
</script>
</body>
</html>
```