

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

```
function makeMove(index) {
  if (board[index] === "" && gameActive) {
    board[index] = currentPlayer;
    document.querySelectorAll('.cell')[index].innerText = currentPlayer;
    checkWinner();
    currentPlayer = currentPlayer === 'X' ? 'O' : 'X'; // Switch player
  }
}
```

```
function checkWinner() {
  const winPatterns = [
    [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 (let pattern of winPatterns) {
    const [a, b, c] = pattern;
    if (board[a] && board[a] === board[b] && board[a] === board[c]) {
      alert(`${board[a]} wins!`);
      gameActive = false;
      return;
    }
  }
  if (!board.includes("")) {
    alert("It's a tie!");
    gameActive = false;
  }
}
```

```
function resetGame() {
  board = ["", "", "", "", "", "", "", ""];
  document.querySelectorAll('.cell').forEach(cell => cell.innerText = "");
  gameActive = true;
  currentPlayer = 'X';
}
```

```
function searchFunction() {
  const searchQuery = document.getElementById('search').value;
  if (searchQuery) {
    alert(`Searching for: ${searchQuery}`);
  } else {
    alert('Please enter a search query!');
  }
}
```

