```
import React, { useState } from 'react';
import './App.css';
function Square({ value, onClick }) {
 return (
  <button className="square" onClick={onClick}>
   {value}
  </button>
 );
}
function Board() {
 const [squares, setSquares] = useState(Array(9).fill(null));
 const [xlsNext, setXlsNext] = useState(true);
 function handleClick(i) {
  const newSquares = squares.slice();
  if (calculateWinner(squares) || squares[i]) {
   return;
  }
  newSquares[i] = xIsNext ? 'X' : 'O';
  setSquares(newSquares);
  setXIsNext(!xIsNext);
 }
 function renderSquare(i) {
  return <Square value={squares[i]} onClick={() => handleClick(i)} />;
```

```
const winner = calculateWinner(squares);
let status;
if (winner) {
 status = 'Winner: ' + winner;
} else {
 status = 'Next player: ' + (xlsNext ? 'X' : 'O');
}
return (
 <div>
  <div className="status">{status}</div>
  <div className="board-row">
   {renderSquare(0)}
   {renderSquare(1)}
   {renderSquare(2)}
  </div>
  <div className="board-row">
   {renderSquare(3)}
   {renderSquare(4)}
   {renderSquare(5)}
  </div>
  <div className="board-row">
   {renderSquare(6)}
   {renderSquare(7)}
   {renderSquare(8)}
```

}

```
</div>
  </div>
 );
}
function calculateWinner(squares) {
 const lines = [
  [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 i = 0; i < lines.length; i++) {
  const [a, b, c] = lines[i];
  if (squares[a] && squares[a] === squares[b] && squares[a] === squares[c]) {
   return squares[a];
  }
 }
 return null;
}
function Game() {
 return (
```

export default App;