

### W03-P1: Implement checkWin(player) using three different cases

The screenshot shows a development environment with VS Code on the left and a web browser on the right. The VS Code editor displays a JavaScript file named 'tictactoe\_22.js' with a red box highlighting the 'checkWin' function. The web browser shows a 'Tictactoe Demo' application with a 3x3 grid and a 'Reset Game' button. The right sidebar shows the Copilot chat interface with a conversation about the 'checkWin' function.

**VS Code Editor:**

```

11 const checkWin = (player) => {
12   let p = [];
13   allLi.forEach(item => {
14     p.push(item.classList.contains(player));
15   });
16   console.log('p', p);
17   const [p1,p2,p3,p4,p5,p6,p7,p8,p9] = p;
18   if(p1==p2==p3 || p4==p5==p6 || p7==p8==p9 || p1==p4==p7 || p2==p5==p8 || p3==p6==p9 || p1==p5==p9 || p3==p6==p9) {
19     return true;
20   }
21   return false;
22 }
23 console.log("checkWin('o')", checkWin('o'));
24 console.log("checkWin('x')", checkWin('x'));
25
26 const winMessage = (player) => {
27   if(player === 'o'){
28     container.style.backgroundColor = 'rgb(144, 238, 144)';
29     alert.style.backgroundColor = 'rgb(144, 238, 144)';
30     alert.style.color = 'green';
31     alert.style.display = 'block';
32     alert.textContent = 'Player 0 Wins!';
33   } else {
34     container.style.backgroundColor = 'rgb(240, 180, 240)';
35     alert.style.backgroundColor = 'rgb(240, 180, 240)';
36     alert.style.color = 'purple';
37     alert.style.display = 'block';
38     alert.textContent = 'Player X Wins!';
39   }
40 }

```

**Web Browser:**

The browser shows a 'Tictactoe Demo' application. The grid is as follows:

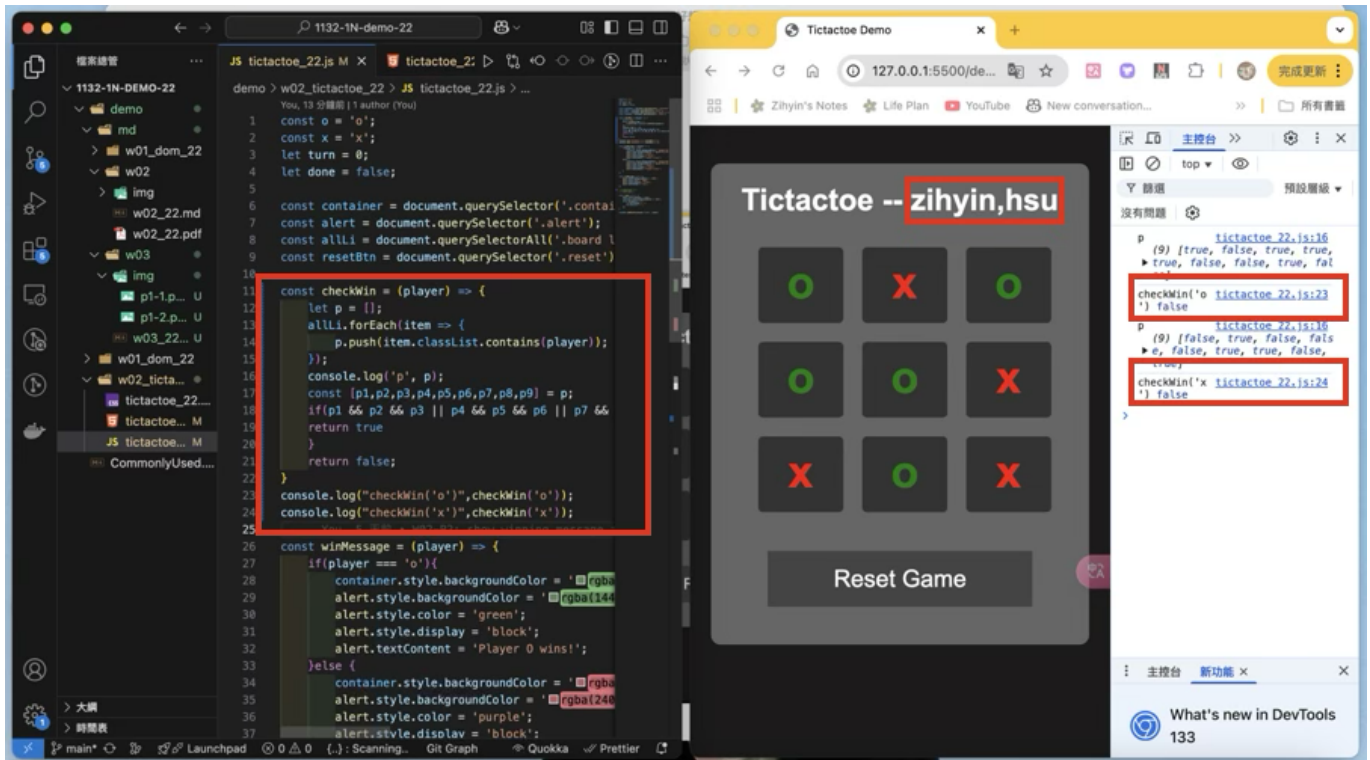
O	+	X
O	X	+
X	+	O

Below the grid is a 'Reset Game' button.

**Copilot Chat:**

The chat interface shows a conversation about the 'checkWin' function. The user asks: "checkWin('o') false". The Copilot responds: "(9) [true, false, false, false, false, false, false, false, false]". The user then asks: "checkWin('x') true". The Copilot responds: "(9) [false, false, true, false, false, false, true, false, false]".

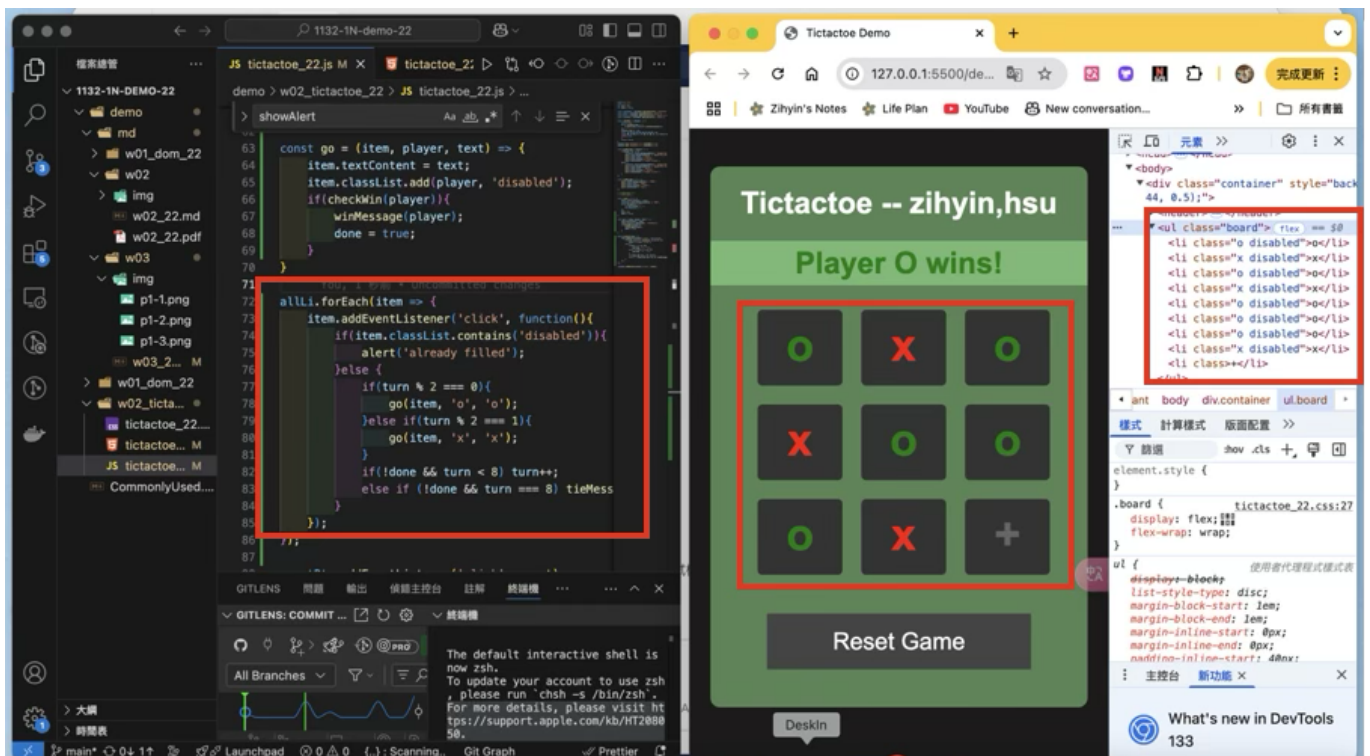
1 / 4



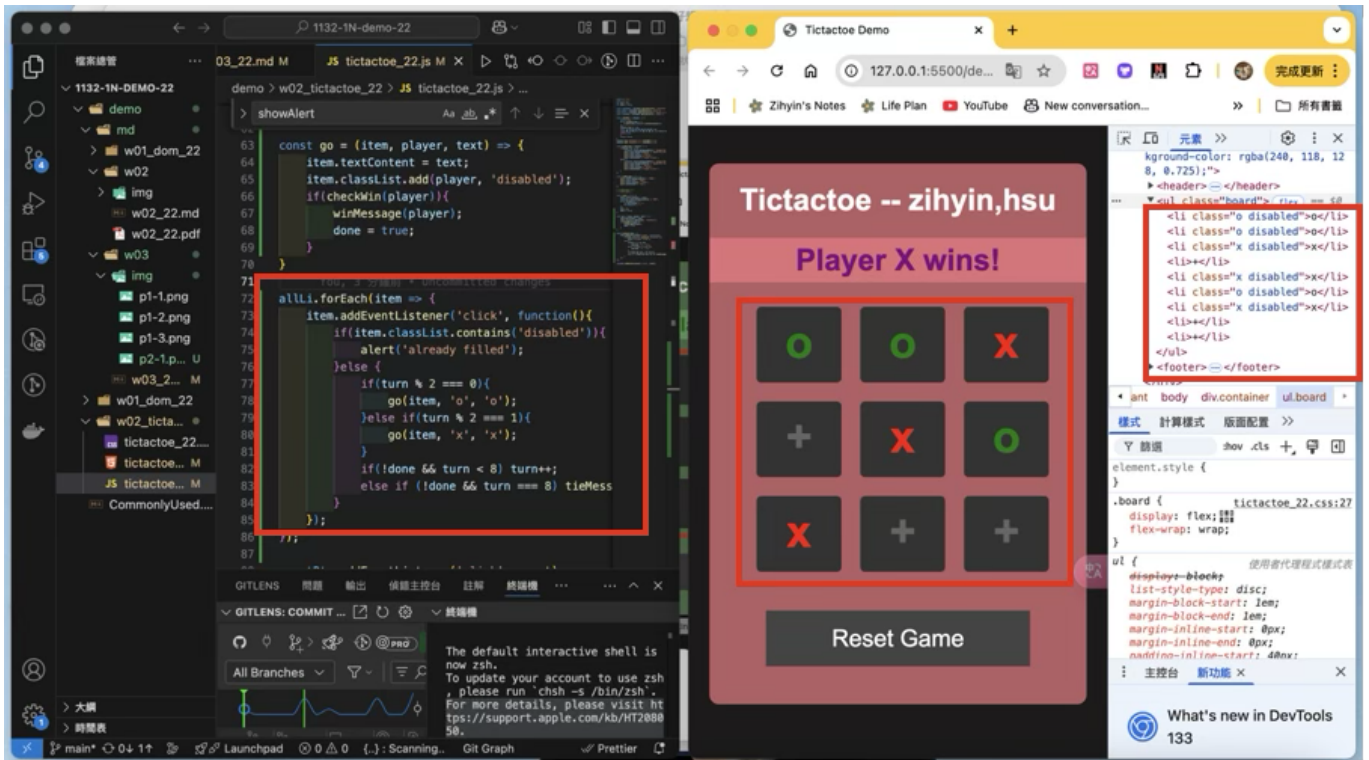
4d73347 Zihyin Thu Mar 6 19:24:14 2025 +0800 W03-P1: Implement `checkWin(player)` using three different cases

W03-P2: play TicTacToe successfully

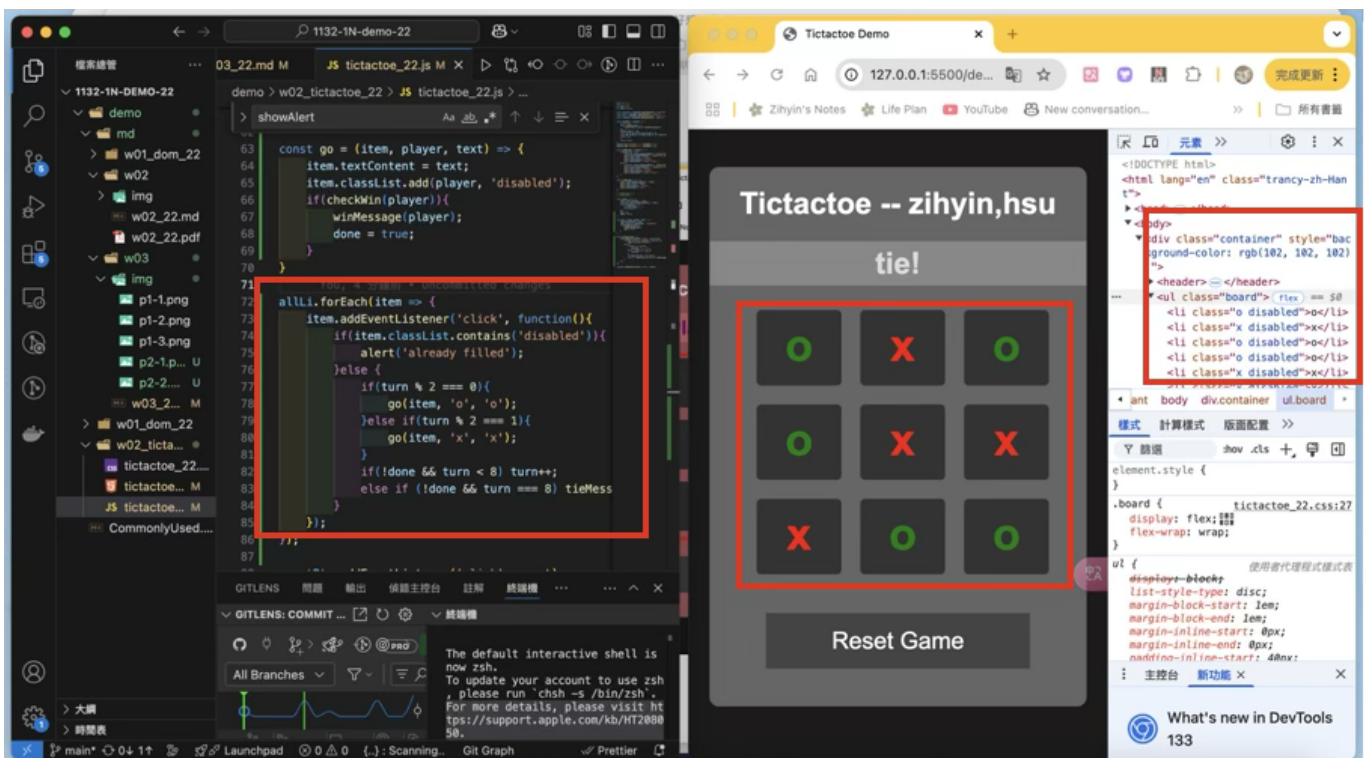
=> player o wins



=> player x wins

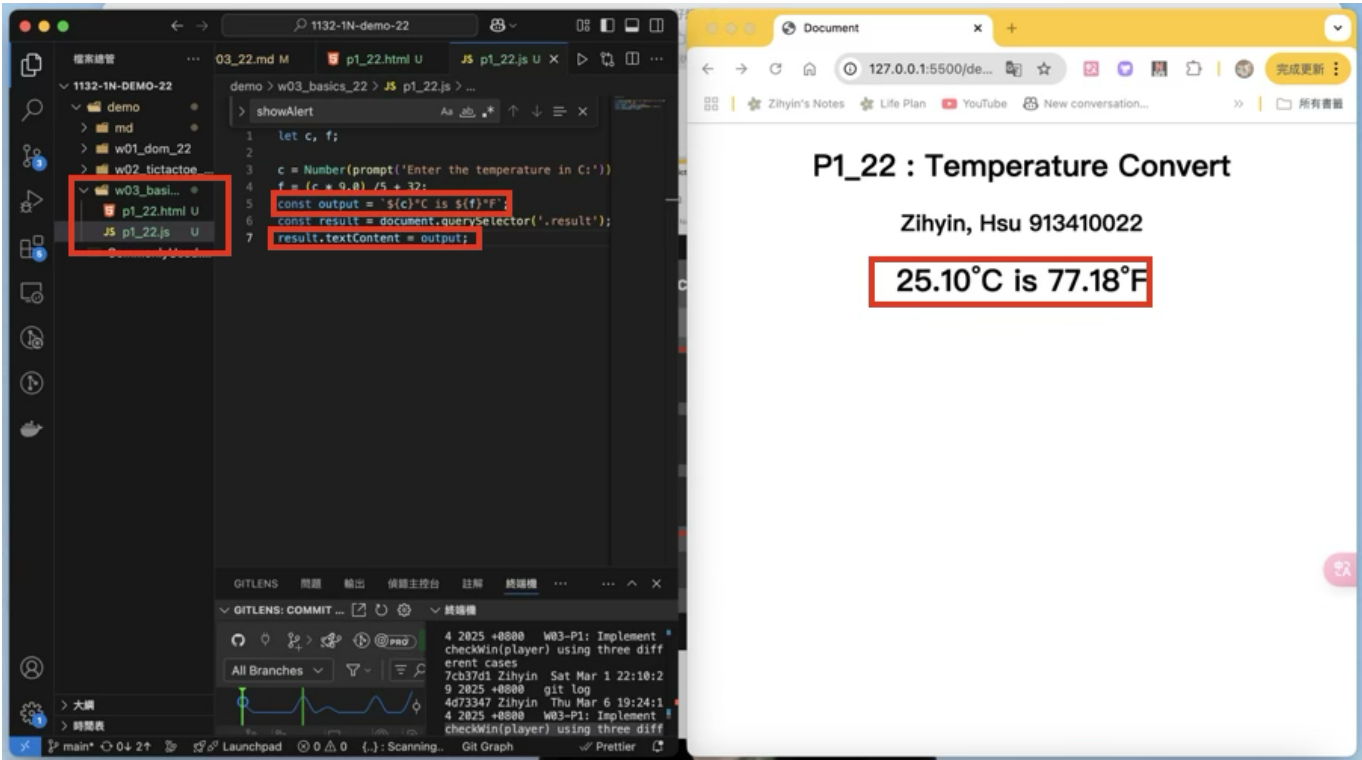


=> tie



74286a9 Zihyin Thu Mar 6 20:21:46 2025 +0800 W03-P2: play TicTacToe successfully

W03-P3: Temperature Convert from C to F



8a194c8 Zihyin Sat Mar 8 16:39:35 2025 +0800 W03-P3: Temperature Convert from C to F