JS index.js | JS function celsiusToFahrenheit(celsius) {.js | JS Leap Year.js ●

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```
1  function isLeapYear(year) {
2      // Leap years are either divisible by 4 but not by 100, or divisible by 400
3      return (year % 4 === 0 && year % 100 !== 0) || (year % 400 === 0);
4  }
5
6  //Check if the year 2024 is a leap year
7  const yearToCheck = 2024;
8  if (isLeapYear(yearToCheck)) {
9      console.log(`${yearToCheck} is a leap year.`);
10 } else {
11     console.log(`${yearToCheck} is not a leap year.`);
12 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
"C:\Program Files\nodejs\New Folder\node.exe" ".\Leap Year.js"
2024 is a leap year.
```

JS index.js | JS function celsiusToFahrenheit(celsius) {.js ●

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```
1  function celsiusToFahrenheit(celsius) {
2      return (celsius * 9/5) + 32;
3  }
4
5  // Function to convert Fahrenheit to Celsius
6  function fahrenheitToCelsius(fahrenheit) {
7      return (fahrenheit - 32) * 5/9;
8  }
9
10 // Example
11 const celsiusTemperature = 60;
12 const fahrenheitTemperature = celsiusToFahrenheit(celsiusTemperature);
13 console.log(`${celsiusTemperature}°C is ${fahrenheitTemperature}°F`);
14
15 const fahrenheitTemperature2 = 45;
16 const celsiusTemperature2 = fahrenheitToCelsius(fahrenheitTemperature2);
17 console.log(`${fahrenheitTemperature2}°F is ${celsiusTemperature2}°C`);
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
"C:\Program Files\nodejs\New Folder\node.exe" ".\function celsiusToFahrenheit(celsius) {.js"
60°C is 140°F
45°F is 7.222222222222222°C
```

index.js | function celsiusToFahrenheit(celsius) {.js

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```
function factorial(n) {
    if (n === 0 || n === 1) {
        return 1;
    } else {
        return n * factorial(n - 1);
    }
}

// The factorial of 5
const number = 5;
const result = factorial(number);

console.log(`The factorial of ${number} is: ${result}`);
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
C:\Program Files\nodejs\New Folder\node.exe .\index.js
The factorial of 5 is: 120
```