

```
// app.js - small exported functions for testing + UI wiring

// Keep it ES module style so webpack/babel handles it later if needed.
```

```
function calculate(a, b) {

  // fix: ensure numeric arguments

  const nA = Number(a);

  const nB = Number(b);

  // simple example: sum plus product

  const sum = nA + nB;

  const prod = nA * nB;

  return { sum, prod, total: sum + prod };

}
```

```
// Expose variable p to demonstrate "Watch"

let p = { debug: 'initial' };
```

```
// UI wiring (only runs when loaded in browser)

if (typeof window !== "undefined") {

  document.addEventListener('DOMContentLoaded', () => {

    const btn = document.getElementById('calcBtn');

    btn.addEventListener('click', () => {

      const a = document.getElementById('a').value;

      const b = document.getElementById('b').value;

      // this assignment changes p so you can watch it in DevTools

      p = { debug: `calculated ${a},${b}` };

      const res = calculate(a, b);

      document.getElementById('resValue').textContent = res.total;

    });

  });

}
```

```
// Export for tests (CommonJS & browser-friendly)
if (typeof module !== 'undefined' && module.exports) {
  module.exports = { calculate, getP: () => p, setP: (x) => (p = x) };
}
```