**Common Mistakes**

**Scope & Debugging**

- Take note of where you declare variables and be aware of their scope. Block scoped variables, **let** and **const**, are confined to the code blocks in which they are declared. Function scoped variables are confined to the functions in which they are declared.

**--- CORRECT**  **let str = “Declared”;**

**--- CORRECT**  **if ( true ) {**

**--- CORRECT**   **str = “Updated”;**

**--- CORRECT**  **}**

**--- CORRECT**  **console.log( str );**

**XXX WRONG** **if ( true ) {**

**XXX WRONG** **let str = “Declared”;**

**XXX WRONG** **}**

**XXX WRONG** **console.log( str );** // ERROR str not known

- Be very careful with conditionals and if, else if expressions. To compare variables, we need to use 2 or 3 equals signs (**===** comparison operators). Do not use a single equals sign (**=** assignment operators) as that gives a variable a value and may return true making your if statement always run.

**--- CORRECT**  **if ( myVar === true ) { … }**

**XXX WRONG** **if ( myVar = true ) { … }**