Miguel Legault 8547102 – Debug Hangman

All modifications during debug are identified in the code with comments containing the string "DEBUG:"

First step:

Place alerts into the script to verify the program flow and control logic.

When the statement alert("Am here"); was placed at the top of the file, I expected it to appear as soon as the page was refreshed. It didn't, suggesting at least one syntax error in the rest of the file.

By using comment blocks /\* \*/ I isolated various parts of the code until two syntax errors were found:

* Missed matched curly brackets {}
* Improperly escaped string

Second step:

Put alerts to see solution and play the game to check behavior with correct answer and wrong answer

Found three errors:

* When the user won the game, the text in the alert box showed the variable name instead of its content. Fixed the quotes to resolve the issue.
* When the user reset the game, the last letter buttons didn't get reset. Was a problem with the index logic.
* Sometimes word was undefined from an array out of bounds issue. Fixed the formula where random is used.

Last step:

Remove all debugging alerts and checked that the game was still behaving as expected. Success !