**JavaScript Questions for Anna:**

1. Is it ok to declare the same variable in different functions?
   1. For example in the Royals Score project I have a <p></p> and inside it asks you to enter a score for each team.
2. When you click ‘Outcome’ the sentence is hidden.
3. When you click ‘Clear’ the sentence is displayed.
4. I use the same variable in two different functions.
5. var scr\_request = document.querySelector("p#scoreRequest");
   1. function compareScore()
   2. function pageReset()

Chapter 1 – Scope:

LHS and RHS

LHS – when variable appears on Left side of assignment operation.

RHS – when variable appears on Right side of assignment operation.

**\*Not literally left and right of the = sign.**\*

LHS = is there a variable declared (looks for variable container itself)

\*\*target of the assignment

RHS = get the value of…

\*\*source of the assignment

ReferenceError = scope resolution failure error

TypeError = scope resolution was successful but an illegal/impossible action was attempted against the result.

Scope is process of looking up variables.

LHS – purpose is to assign to the variable

(is there a variable that we can assign to?)

RHS – purpose is to retrieve the variable’s value

(what is the value of a variable we already have?)

LHS references result from assignment operations. *Scope*-related assignments can occur either with the = operator or by passing arguments to (assign to) function parameters.

Q: If you are not in strict mode and you have an unfulfilled LHS reference (you ask if there is a certain variable, but none is found) then global scope creates one for you. Is this bad? Why? –I know I should be working in strict mode but this sounds like a good thing.

Q: I have heard that it’s best not to put very many variables into global scope, what is the reason for that? It seems like it would be handy since they are available to all functions.

**Chapter 2 – Lexical Scope**

 lexical scope is based on where variables and blocks of scope are authored, by you, at write time, and thus is (mostly) set in stone by the time the lexer processes your code.

Q: Lexical scope is saying that it is important where you write your functions in the code, right?

Q: How do you know when to write each function?

**GitHub:**

If I want to see the code in a browser, I take it from github, put it in a code editor, save it as “index.html” or whatever makes sense and then open it in a browser?

Do I have to do that for the html/css/js just to view a project?