Head First into JavaScript

Chapter 2: Going Further

* Getting user input
  + Prompt function
* If you don’t provide an initial value for a variable, it is considered undefined
* Prompt brings up a dialog box with a provided string, but also provides input field
  + Input is returned as a string as a result of the calling function
  + Null is returned if nothing is inputted
* Quality assurance is the process of testing software to find defects
* Math.random(); generates random between 0 and 1
* Math.floor(); rounds down all random numbers to nearest value

Integrative learning videos

* C# vs javascript
  + Class decelerations hidden in JS
  + Variable declaration
    - Var name : type = value
  + Function declaration
    - Function FunctionName (parameterName : type) : return {}
  + Default access
    - Public for JS
* What is JavaScript?
  + Programming language of the web
  + Creates interactivity
  + Used for front end development
* When not to use JavaScript
  + Hover and focus events
  + CSS3 transitions of animation
  + HTML J form controls instead of widgets
* Using a JavaScript console
  + Allows you to execute JS code
  + Inspect currently defined variables
  + Global objects
    - Window, document
  + Define new variables
    - Only valid on current load, resets when reloaded
  + Write functions
  + Clear();
* Java vs JavaScript
  + Java
    - OOP
    - Can stand on its own
    - Compiles
    - Stricter
    - Geared wherever needed
  + JavaScript
    - OOP
    - Simpler commands
    - Primarily placed in HTML
    - Text based
    - Commands are Event Handlers
    - Geared to webpages