Java Script

Data Types

* Var
  + Number, String, Boolean, Undefined
* Null is “Nothing”

TypeOf

* TypeOf “ Variable”
  + Return the data type of a variable
  + Returns “object” for arrays
  + Returns “object” for null

Function

* Block of code designed to perform a particular task
* Function name(parameters){}
* Invoked by
  + Events, JS code, auto/self-invoked

Objects

* Var person {

firstName : “John”,

lastName : “Doe”,

age : 50,

eyeColor: “blue”.

getName : function() {return person.firstName}

}

Don’t declare Strings, number and Booleans as objects

* When a variable is declared with the keyword “new” an object is created
* Variables declared in a function become local.
* if you assign a value to a variable that has not been declared, ot will automatically become a global variable
  + Don’t create global variables unless you need to
  + In strict mode, global variables will automatically fail.

Events

* An Html event can be something the browser does or something a user does
  + Web page finished loading
  + Input field was changed
  + Button was clicked
* HTML allows the event handler attributes, with js code, to be added to HTML.

Arrays

* Lists of variable types
  + Never put a comma at the end of the list
  + .pop – removes last element
  + . push – adds a new element to end
  + .shift – removes first element
  + .unshift – adds element to front of array
  + .sort – sorts an array alphabetically
  + .reverse – reverses the elements in an array