Announcements

- Check class announcements daily
- You must implement programming projects by yourself
- Midterm next week Wednesday
Confirm

- confirm function returns true if the user selects OK and false for Cancel
- **Example**: Confirm.html
Additional Operators

- Increment Operators
  - `++`
  - `--`

- Modulus Operator `%`
  - Allow us to determine when a number is divisible by a particular value

- Compound assignment operators
  - `+=`
  - `-=`
  - `*=`
  - `/=`
  - `%=`
Function Prototypes

- What is a function prototype?
Passing Values to Function

- Mechanism used to pass values to function is called *pass-by-value*
- Parameters
  - Variables that receive data
  - There are normal variables
- Arguments
  - Values you pass to a function
- **Example**: PassByValue.html
- Does it matter how we name the parameters?
Data Types

- Primitive data types in JavaScript
  - Numbers
  - Strings
  - Booleans
- Composite Data Types
  - Objects
  - Arrays
- All numbers are represented as floating-point values.
- To represent a single character using a string of length 1
- You can use ' ' or " " for strings although we will use " " in this class
- Remember floating-point values are approximations
- Special numeric values
  - Infinity
  - Number.NaN – Not a Number
  - Number.MAX_VALUE – maximum value possible
  - Number.MIN_VALUE – smallest (closest to zero) number
  - Number.POSITIVE_INFINITY
  - Number.NEGATIVE_INFINITY
- Example: NumericValues.html
Coding Example (Our Own Search)

- We can define our own search program by reading from the user a term and specifying a search engine
- Let’s write the program
Coding Example (Cashier)

- Let’s write a program that reads items and computes a total
- The program will accept any capitalization for the items
- The program will open a window (another html file) to provide the final receipt