# CS 1371

* Lecture 1, January 8, 2020

## Seven Principles of computing: applicable to any language

* Comments
  + Leave annotations to know what the code is about
  + Notations for humans
  + Debugging (finding errors)
* Variables
  + Human name for a computer storage location
  + No spaces, no numbers
  + Starts with a letter
  + Case sensitive
* Data
  + Primitives:
    - Doubles (Numbers) 2bytes
    - Characters (char) letters-dash
    - Logical/Boolean (True/False)
  + Data Collection: More than a primitive
* Functions
  + Built-in functions
  + User defined functions
    - Made out of built-in functions
* Operations
  + Math: + , - , \* , /
  + Logical: AND, OR
* Conditionals
* Iterations