First Assessment (Monday, September 10)

# Things to know Coming In

* Variables
* Conditions
* Loops
* Functions

# C Programming Intro

* C Extensive Library Structure
  + <stdio.h>
  + h means header file
  + What is inside stdio.h?
    - Standard input/output header file
* Main function
  + Required to run code
* C is a compiled language
  + Generates executable
* Programs
  + First Program
    - Find GCF of two positive integers
      * Brute force
      * **Euclid’s Algorithm**
* Functions
  + Printf(string of input);
  + Scanf(“%d”,&integer)
    - Scanf(“%s”,&string)
* Function Prototype
  + The declaration of a function before the code is put in later
  + Names of variables do not matter only the datatype matter
  + Often standardized
    - Python/UOFT docstring
    - Java javadocs
* **NO CODING ON FIRST TEST**