INFO-6044 (Framework and Patterns) Day 3

* Basic IO (cin/cout, fstream, and stringstream)
  + ASCII (text) vs. Binary access  
    (More on binary access later in the course)
  + Very basic saving and loading data
    - Comparison to XML, JSON, etc.
* Pointer introduction:
  + Stack vs. Heap
  + Arrays in both
  + Limitations, etc.
  + Memory leaks
  + Smart pointers (risks, not “cure all”)
* STL (Standard Template Library) vector
  + Aka “smart array”
  + push\_back, size, insert, [] and at(), etc.
  + Using them in a for loop