Outline for November 15, 2021

Reading: text, §23.9.7, C, 17.1, 17.3

Assignments: Homework 4, due Nov 22, 2021

1. Defenses
   (a) Specifications as restrictions
   (b) Limiting sharing
   (c) Statistical analysis
   (d) Trust

2. Entropy

3. Entropy-based analysis
   (a) Flow of information from $x$ to $y$
   (b) Implicit flow of information

4. Compiler-based flow mechanisms
   (a) Scalar declarations
   (b) Array declarations
   (c) Assignment statements
   (d) Compound statements
   (e) Conditional statements
   (f) Iterative statements
   (g) Goto statements