

**COMP 2355**  
**Winter 2012**  
**Lab #2**  
**January 10, 2012**

This lab should be implemented in one .cpp file. Store the project for the file in a direction in your SVN repository called Lab2.

1. Write a program which prints the size (on your system) of all the standard types:
  - a. bool, char, short, int, long, long long, float, double, long double.
  - b. And the stdint types: int8\_t, int16\_t, int32\_t, int64\_t
2. Demonstrate how overflow occurs on three of these types.
3. Create several structs and populate them with different standard types, and then measure the size of the resulting data structures.