

Computer Science 1323
Homework—Set theory

Assume the existence of two data files containing integer numbers. There should be randomly many random numbers in each file. You are to write a program in C which will read these files into a suitable data structure for a set. You decide on an appropriate data structure. Assume the sets are A and B. You are then to write suitable functions which will find the union of A and B, the intersection of A and B, the set difference $A - B$, and the set difference $B - A$. Print the various files to the workstation screen and be prepared to present your programs in class on Monday, March 8. Be prepared to hand in a paper copy of your homework on Monday, and email the source code to meggen@cs.trinity.edu on or before class time on Monday.