CSCE 330 Fall 2003

Quiz 11

Assigned Tuesday, 03-10-21

1. Sketch code memory for a C3 program in which main calls A which calls A which calls B which calls A.

   Only indicate the dynamic links in each activation record. For the purpose of this exercise, also draw the activation record for the main routine.

   Answer: The stack (from bottom to top) has the Activation Record (AR) for main, the AR for A, the AR for A, the AR for B, and the AR for A. Each dynamic link points to the beginning of the AR immediately below on the stack.