Sheet #7 (Trees)

1. Write a C function that traverses a binary tree level by level. In other words, the root is visited first, then the immediate children of the root, then the grandchildren of the root, and so on.

2. Given the preorder and inorder traversal sequences of a binary tree as follows:
   preorder: ABCDEFGHIJKLM   inorder: CEDFBAHJIKGML
   Draw the binary tree.

3. From the following tree, show by drawing how to:

   a) Delete the value 45 in two different ways.
   b) Delete the value 89.
   c) Delete the value 36.