1. What are the differences between a linked list and a binary tree?
2. What are the differences between a stack and a binary tree?
3. What are the main characteristics of a binary tree
4. Provide the inorder, preorder and postorder traversals of the binary search tree of Fig. 22.20. (Book: Java How to Program, Dietel)
5. Write java methods for:

* In-order traversal of a binary tree
* Pre-order traversal of a binary tree
* Post-order traversal of a binary tree
* Get the minimum value stored in a binary tree
* Get the maximum value stored in a binary tree
* Get the depth of a binary tree
* Insert new node into a binary tree

1. Write a method to delete a node from a binary tree for given the following cases

* The node to be deleted is a leaf (has no children).
* The node to be deleted has one child.
* The node to be deleted has two children.

int countChildren(Node node)

{

if ( node == null )

return 0;

return 1 + countChildren(node.getLeft()) + countChildren(node.getRight());

}