Binary tree # include < Stolio.h> # include < Stolib.h> Struct Treenocle int val; Struct viernode & left, Stoned Tree rode \* enight, Statut treenode ( veste node ( int val) Staut treenode newnode = (struct terenode)
malloz (Sign of (Struct terenode)) newnode - val = val; neurode - left = left! newnode > right = right; seturn newned Struct ferenodi uniert (Struct treenode Frost 1 (root = = NULL) return (restonade (val).

gy (val < nost -) val) word -> left = invert (root -> left, val); else if (val >rool > val) roct - right = murt ( root - right, val); return good. Void inorder (Struct tree node troot) Et (noot! = NUCL) morder (noot suft).

print ("old" root sval).

inorder (noot s right);

3 Void post order (Struct treerode \* root) of ( root! = NULL) postorder (not > left)

postorder (voit > night),

Print (""lod", root val); vaid preorder (Struct treenade\* noot) print ("°1.1" hvat 3 Val).

prearder (rost > left).

prearder (rost > right);
} Void display (Struct tree node t wot) print ("Inorder frauersol");;;
inorder (roat); print (" postorder traunsel").
postorder (root). print !" pre drder Transal"). frints ("|n").

int main () Struct Freenode\* most = NULL' noot = insert (root, 50) mest (not, 301) inslet (roll 20), injol ( noot 40) inspl ( hoot 70%) insprt (rost, 60) instit (not, 80). display (root) inorder traursal 20 30 40 30 60 70 80 Portordo traversal 20 40 30 60 80 70 50 freonder travers al

50 30 20 40 70 60 80