if (data < root > data) { WEEK -08 19/02/2024/ root > 6tt = insert (root > 6ft, data); 9-7 Write a program o) To construct a BST, idse it (data > voot > data) { b) Traverse the tree using inorder, preorder, postorder cost-right cineert (root-right, data); c) Display the elements in the tree. 2) Delete the Middle Node of a kinked List (lest Gold) return voot; 3) odd Even linked list (leet code) void inorderTra (etruit Node* root) (1) I/p > # include (statio.h) if (root | ENULL) (#include establib.hs inorderTra (root > left); struct Node (+ works printf (4 % od 1, root > data); struct Node* left; y inorderTraversal(root > right); struct Node* right; (abouts) T28 as short a state (void post Tra (strut Node* root) { struct Node* create Node (int data) (
struct Node* rewNoder (struct Node*) mallor
(size of (struct Node)) if (root ! = NULL) { postanter Tra (voot > left); postTra (root >right) newNode > data c data; print (" old", root >data); newhode > let z new Node > right & NOU; void pretra (struct Node root) (return new Node; if (root jeNULL) L. print (u ord", root > data); struct Node* inscrt(struct Node* root, int data) pre Tra (root > left); if (root zz NULL) { pretra (root svight); 4 roturn createNode(data); void display(strut Node * root) {

printf ("Clonente in type: ");

inorderiva (root); print ("p"); if (data < root > data) {
return eventerbole (data);

Elements in the tree: 20 80 40 50 60 70 80 Inorder travasal: 80 40 30 20 30 40 50 60 70 80 Postorder traveral : 20 : 40 30 60 80 70 50 Preorder traversal: 50' 30' 20' 40, 70 60 80 19.02.24 Jour "show harts for rections how