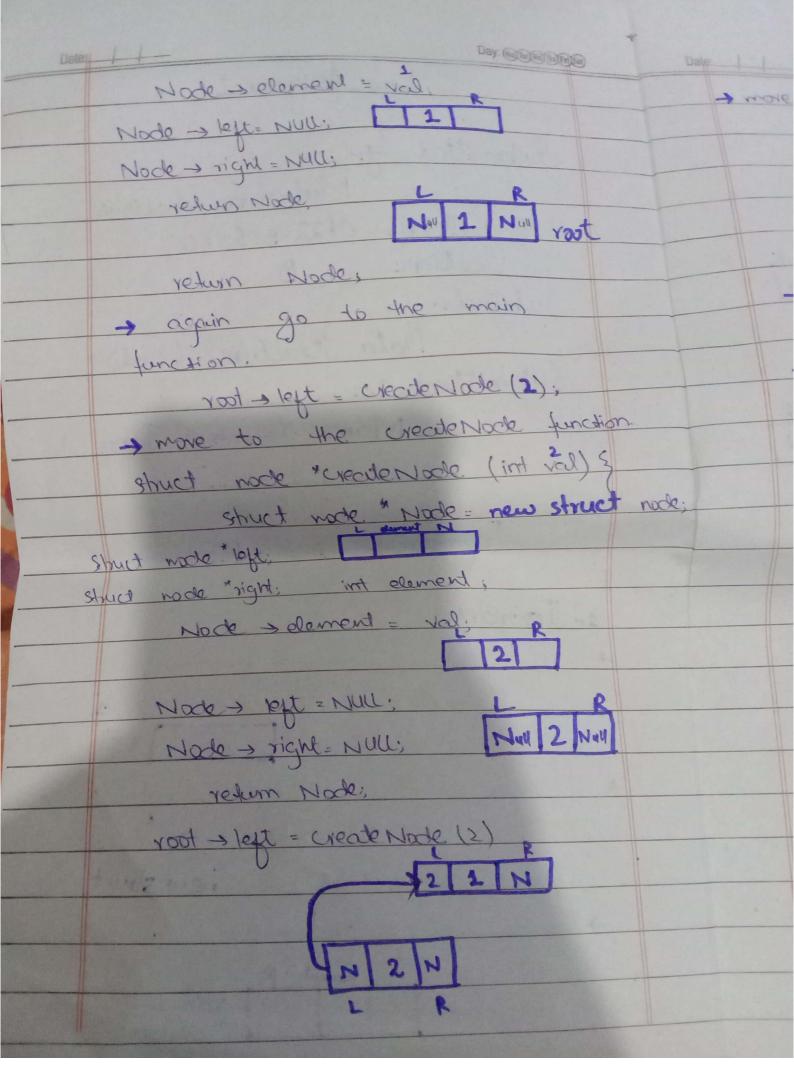
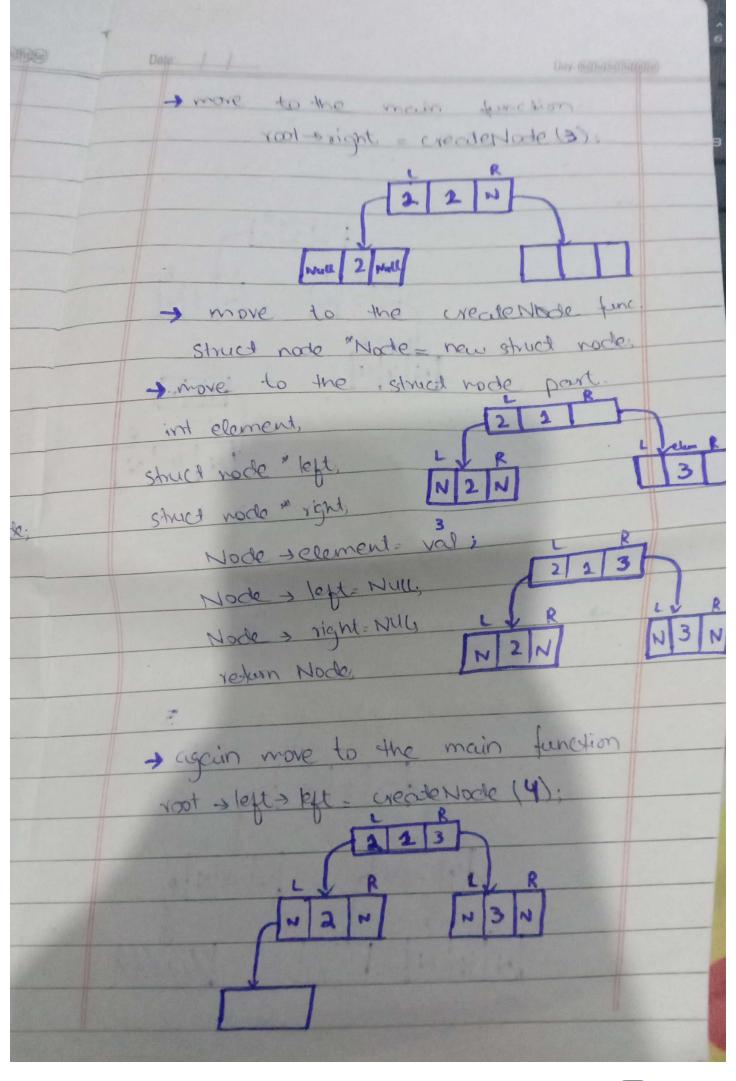
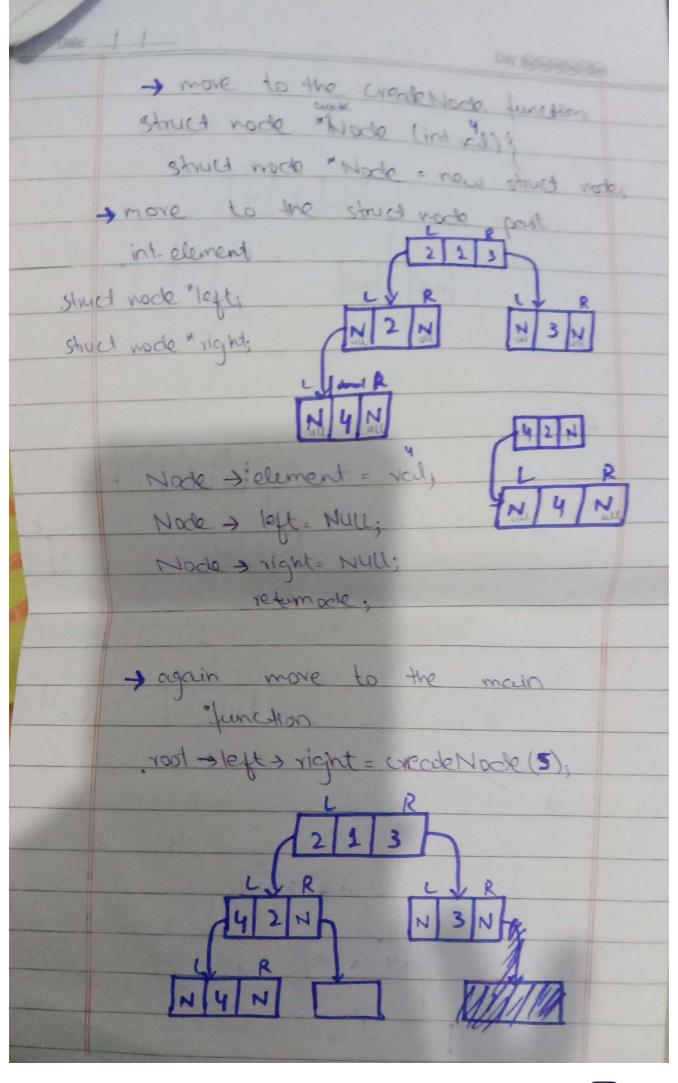
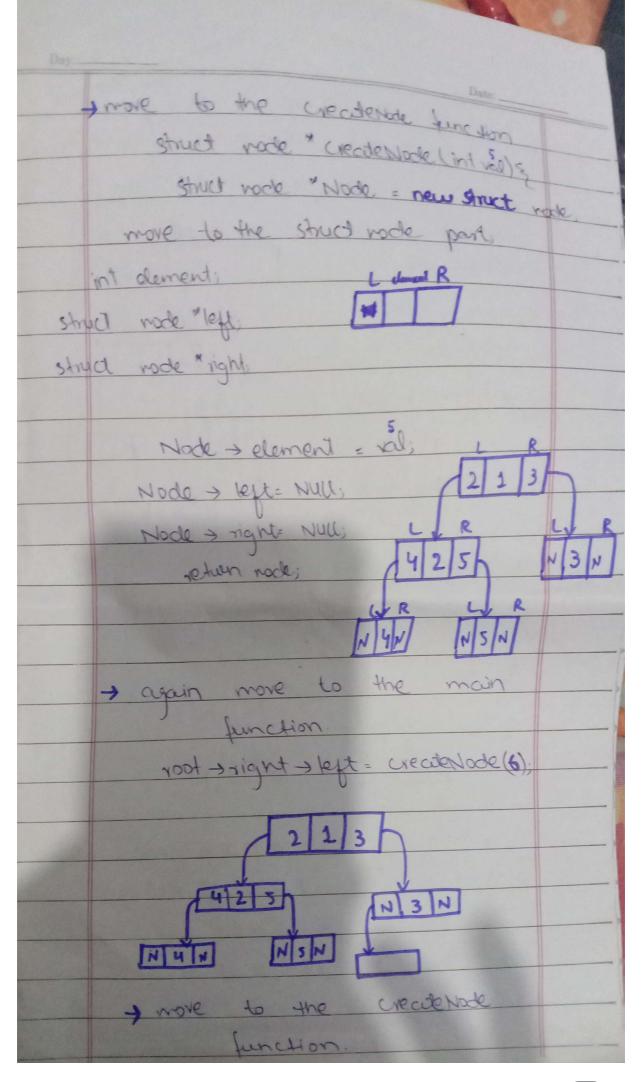
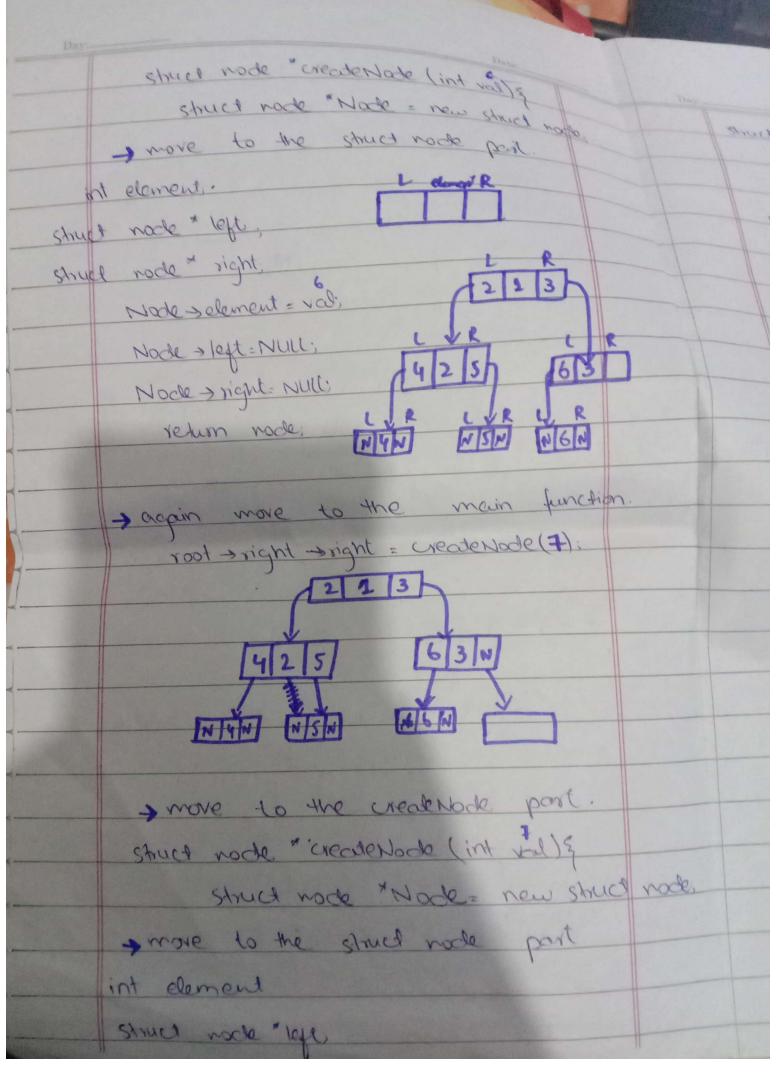
Submitted by:Mubeshea Shafique
Roll no.1- SP22-BCS-120 Section:- B Subject Data Structure (Lab) Submitted toi-Mam Yasmeen Jana Traversal in B.T. 1- Inorderi-> First of all go to main function Struct node * root = create Node (1); > Now go to the create Nook function Struct node * crecieNode (int val) & Struct rade * Nate = new struct noche. + more on struct node part Struct noche " left; L above R struct node " right; int clement;

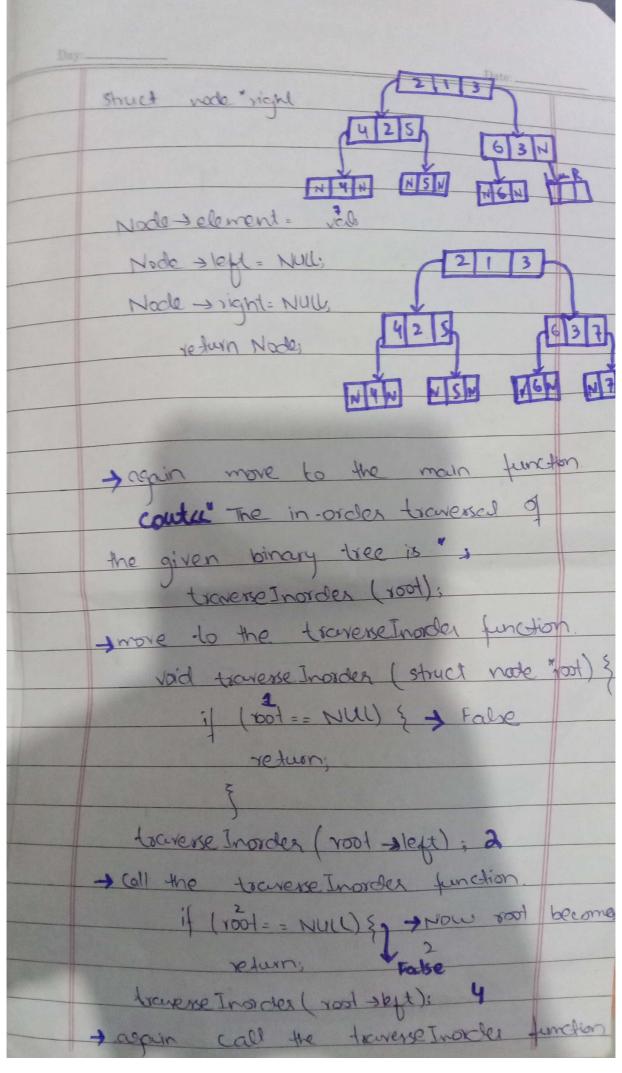








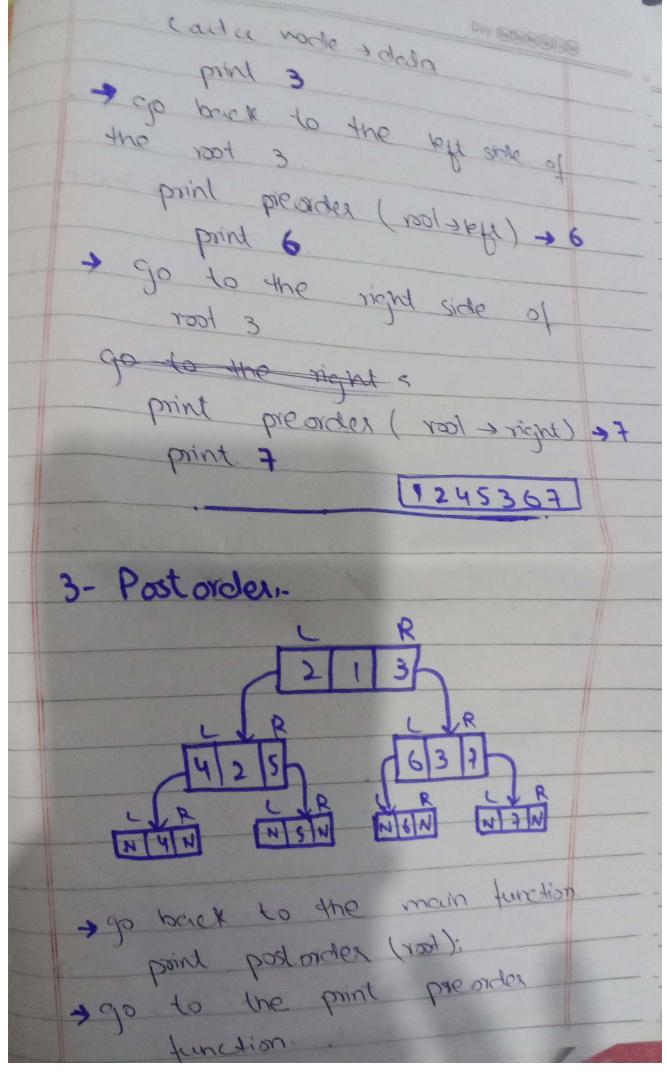




if (root == NULL) > True yeturn, return chalg gy couter root selement; 4 couter roof > element, 2 + again more to the call traverse Inorder if (voot == NULL) -> False could root selement; 5 - again more to the main Couter root + element; 1 traverse Inorder (root > right), 3 + again call the travers Inorder func if (root == NULL) -> False tocresse Inorder (1007 -> left); 6 ragain call the traverse Inorder fur if (yoot == NULL) > True return, skip the needly wall lines. couter root relement; 6 traverse Inorder (root might) ; 7 couter rod selement; 3 traverse Thorder (root + right); 7

-) again call the traverse mades from of (rost == NULL) + False traverse Inorder (rost > left) -) again call the traverse Inorder fine. if (root = = NULL) > True contact root > element; 7 needing well lines 4 2 5 1 6 3 7 2- Pre order - go to the main function bring breakder (1021); + go to the print order function

if (rot = NULL) -> False refuen print preorder Cout a noche > doder print preorder (vool > left); print pre order (root + right); print 1 print preader (rost > left) +2 -> go to if condition if (root == NULL) > Foolige return; course mode - dealers print 2 print preorder (rost > left) >4 contre mode solvier. print 4 + go back to the yout ? and go to the right. print preorder (root-right) +5 courtee mode solution print 5 > go beach to the root 1 and go to the right.



if (root == NUIL) + False print postorder (roots left) 2 - again go to if condition or e select (1111 = = fact) | return, print post order (root + legs) 4 + so there is no child of 4 print 4 + Back to the previous call: (typint from) restricted kning - so there is no child of 5 so print 5. + Back to the main root 1 + print the doda of the wrient + Now call printpostorder. Et (tripie & toor) estrated pried ago to the print post order print post order (root > left) > 6 + so there is no child of 6

Day: (H) THE THE SE + Back to the previous call Fer (tripine toor) rabiotraftang > 50; there is no child of the node 7. - Back to the original port point 1. ant to turque and the postorder traversal 15. [4576731 Insertion and deletion of Binary search tree. + go to the main function Node * root = null;