	Olf Sur
8.	MA Write a Program
0.	a) To construct binary search Tree
	b) TO traverse the tree using all the methods
	e) To oligplay the chements in the tree
	#include Landio.h) Will VOJARIA
	#include / stdio.h>
	SHOULD Node (1:3) hours such rates
1 to to 1	enter the target related this inst
	Struct Node* left, * right;
	body ter analysis value about
	Struct Noder Createnode (int data) {
क वेरावर, र	Struck Node + new node + (Struck Nodex) mn
	Csizeof (Struct Node)) show
	new Node -> data = data;
	new Nod e -) left = new Node +> vigus = NULL
	10000 new node in 1211
	y
	Enter your clusice: A
	Struct Node + ingert (struct Nodetroot, int
	if (2004 == non) {
	g Ciemenoac(data)
	ib (data < 800+ -> data) {
	4 Soot -> left = insert (2001 -> left, dorta)
	edge if (data > 8001-2 data) {
	tob, toles (-+008) tos ni = ingis (+008)
	4
	seturn root;
	4

```
void inorder (Struct Node* 800+) ?
           16(2001)=NULL)1
            inorder (root -) left);
            Print+ ("xd": 8001 -> 010+a);
            inosder (soot-> right);
       roid precorder (struct nodet root)?
            if (800+ !=NOLL) {
         Printf ("> ol ; root -> data);
            (scooper (scot -> left)
             Prepader (root -) right).
           920x, 1008 ) then 1 3 4200
        void postorder (Struct Node* root) 1
              ig(800+ 1= NOW) {
               Postorda (root-sleft)
               posto od er ( root -> right)
               Print ("xd", root -) data)"
         roid difflay Tree (Struct Node* root) (
        Print+ ("Snorder Travereal")
             inorder (700+)
         Point (In!):
       Print + ("Preosder Traversal.")
Preorder (root);
                Print ("postosola Tronersol")
                bost-orger (2001),
                Point ( comm).
```

int main() & Heller 1900) tolograph Stood Nodex root = NULL; int no value; Planto so so so so Point ("Enter the number OB cleuds to inset in the trees: ")'s scan + ("'/d", 4n)", book Prints ("Frited the clements: (m)" for (int i = 0 ; ich = itt) { scanf ("1.d" & volue) voot = inset (root, value) point ("Tree Traversals in") displayTree (root); return o' mon man OIP Binory Search Tree operations VI Enter the number of elements to in 2 - end in the taker: Enter the elements: 12,13,14,8,9,10 Inorden Travedral; 8,9,10, 12,12,1314 Pre-0x0182 Traverros: 12,8,9,10,12,13,14 Post-order Traversal: 10,9,8,12,14,13,18 to born out to some of this