	PAGE NO:
	Binary Leanch Dru
B	Whiteo a program to construct a drincoy bearch true, and to traverse the true using all methods, i.e., in-corder, are order and part order
	# include <stdio. h=""> # include <stdib. h=""></stdib.></stdio.>
	struct Node & left, * right;
	typedy struct Node node;
	Node * verete Node (int data) (node * new 1 = (node *) mollec (sized (node)); new 1 -> data = data;
	new 1 → right = NULL; new 1 → right = NULL;
	node * invert Node (node * root, unt data) { if (root == NULL) { return create Node (data);
	if (data < root > data) { root > lift = insert Nade (root > lift, data); } elsel
	groot > sight = insertNode (noot + right, data); greturn root;

DATE:
Void in Order Traversal (node * noot)
Void in Order traversal God a state
if (root 1= NULL) { 2
unorder bravered (root alft);
printf("1.d", root adota);
in ordu braversal (root - right);
<i>y</i>
3
void preorder Inaversal (node x root) &
if (root != NULL) {
printf ("1 d", nost -7 data),
preards Iranersal (root -> left);
priorder braversal (900t - right);
3
3
Void posterder bravers al (node * nost) (
il (rotot 1 = NULL)
post order Traversel (groot - left);
postorder Traversal (root 1 right);
print (("1.d", rest + date);
J
3
Void main () &
node * root = NULL;
int choice, value;
and f ("In 1. Insert In2. In-ardy traversed ins. bre-exam
Traversal In 4. Post-Order Traversal Ins. Exit In");
print + ("Enter Your Storice:");
Scanf ("t.d", & choice);
II

	PAGE NO:
	Switch (choice) [
	case 1;
	fruit("Ele Value to Invent: ");
	econf "1.3", 6 value,
	nost = irsert Hode (rect value);
	buck;
	case 2:
	print("In Order Traversal");
	interder Drawersd (rest):
	Loreak;
	save 3:
	printfl" bre-Order Traversal");
	preorder Travers of (rest)
	dough;
	Case 4:
	printf(" Post-Order bowered");
	posterdu Iraversal (nest);
	break;
	stile 3:
	exit(0);
	<u> </u>
	y
	3
	Output
	1. Insort
	2. In-Order Traversal
	3. Bre - Order Francisco
	4. Post - Order Traversal
	5. Exit
7	Enter Your Chaice: 1
A	Enter Value to Insert: 50
	VOLUE TO MACHE SO

	DATE.
	(t. 1/2) 1
7	Enter Your Charce: 1 Enter Value to Insert: 40
	kntn Value it 1880
	Enter Your Charic: 1
	Enter Value to Greent: 75
1	Enter Your Charge: 1
	Entr Value to Insert: 10
1	Enter Value to Insert: 25
	Entry Value to shoops .
-7	Enter Your Charice: 1
	Entr Value to Insert: 80
4	Enter Your Charice: 1
	Enter Value to Grisert: 20
	Styll Chaire 2
7	Into Your Chaice: 2 In-Orda Traversal: 10 20 25 40 50 75 80
	71- 571681
-7	Enly Your Choice: 3
	Bre- Order Traversal: 50 40 10 25 20 75 80
7	Post-Order braversal: 20 25/10 40 80 75 50
	NO. PARTY
-)	Enter Your Charice: 5
	Dree Representation: 80
	75
	50
	25