Name : Flynga Panch USN : 1 BM14 CHO38 laba: Binary Cearch Tree looversal #include <station> #include saddib.h> Storet node 3 stouch made * left; struct mode * right;

F * root = NULL, J * Lemp = NULL, *ta, *t1;

void insert();

void insorder(stouct mode *t); roid search (stouct mode *t); roid preorder (struct node *t); void post order (street node *f); void main () { int ch; while (1) point (" In *** MENU *** In) point [" 1- Insent an element into tree ("); points ("a. Inorder Traversal In") point (3. Previder Traversal) 100 point ('n Enter your choice: "); Scomp (*/.d", Sch); switch (ch) 9

cases: insex(); meak; case a invoder (oost); break; (nse 3: preorder Good)) case 4: post order (oot); exit(0); point (" In Invalid Choice "); break; void inserte() } pointf (" Enter data to be inserted:" Scamp (" 1.d" Idata temp: (etrict mode *) malloc (size of (stored mode)). temp , value : data; emp - left = temp - sight - NULL;

YOUVA roid search (stouch node *++) {
if (temp - value > + + value) le (+ + right != NULD) search (t - right) elle if ((fempsvalue > to value) && (tonight == NULL) tright = temp. else if (Ctemps value < to value) & f (to left! = NULL) search(+) left) clse if ((temp value at value) Al (foleff == NVI) void invoder (stouch mode #1) if (not == NVL)

point (" No elements in the breekn"); if (+)left = mull) point (" 1.d > ", t + value); if (++ right != NULL) morder (t + sight) void poporder (start mode *f) # (out := NUU) { point ("No elements in the tree (\n"); return's printf (" y.d) ", + + ronlue); (+) left = NULL) preorder (+-left), (troight (= NULL) presoder (+ right);

Date: roid post order (storct node *++) if (soot == NULL) point (a No demente in the tree [17] if (+) left 1=NULL) if (for sight) = NULL);

port order (for sight);

printf (" y.d -) ", to value);