```
Binacy Scarch Torre
#include < stato. h>
#Enclude < stdlib . h>
 stemet mode &
  int info; stunct node * sellink;
 sterret mode *llink; };
 typedy stemet mode *NODE;
 NODE getch getrode () {
   NODE Xº
  x = (NODE) mallor (size of (struct mode));
   ? (x==NULL) {
   perint (" memory full");
    exit (0); }
 aetum x;
noid fueenode (NODE x) &
 fere (x); }
NODE insert (NODE moot, int item) of
 2 NODE temp, and, perer
  temp = getnode ().
  temp - info = item;
  temp > llink = NULL;
  temp > ellink = NULL;
  of ( noot = = NULL)
   oretrom temp;
  PHEN = NULL :
  Cure = 2000t °
```

```
while (au. 1 = NULL) {
cut pecer = cuer;
cur = ( êtem < que > înfo)? cur > llink: cur > eclink;
of (item< puer >info)
 Perer > llink = bemp;
 perer > which = temp;
return evoot; }
noid alisplay (NODE coot, int i) of
 if ( evoot 1 = NULL)
  & display (200+ relink , i+1);
   foul (=0; j<1; j++)
   puint (" ")
   Punt ("% od," stoot > temp);
  Puint (" ").
   display ( moot > link, i+1); 55
NODE delete (NODE 2000 t), Ent item)
  NODE cuer, pour, parient, q, suc;
  if (swoot == NULL) {
    perint ("Empty")
      return most; ?
  parent = NULL;
  cuer = swoot ;
while ( cuer ! = NULL & & item ! = cur > info) of
    parent = cuer o
  au = (Hem < au > Enfo) ? au > Elluk; au > selink;
```

```
if (com > 1)
? (au = = NULL)
& pounts ("Element not found");
  eleteren moot; }
 If ( cur > Mink == NULL)
   9 = ewe > sellent;
 mold purouder (NODE most)
  of if ( noct 1 = NULL) of
   paint (" o/od", suoot - info),
  preorder (noot > lllink);
  personder ( most = sellink); }}
 mold postorder (NODE groot) {
   à if (most 1 = NULL) {
    postouder ( woot > llink);
     Pastonden ( moot → sulink)
    Print ("0/0d", 400t > info); 33
 moid inouder (NODE most) ;
    if (moot 1= NULL) }
    inorder ( most > wind);
    pulling ("% od", shoot > info);
    inorder ( acoot > sellint); 22
 wold main () }
   int mo, item, choice;
  NODE 2000 = NULL;
   perint ("Enter your choice. In1. insent In2 display
  for (; °) &
    In 3 pue order m4 postorder In 5 inorder
      Into delete");
   scarf l" % d', schoïce);
    switch (cn) &
```

```
case 1: puint[("Enter the "tem");
 care 2: scanf ("% d", & Hem);
          break?
 case 2: display(noot, 0).
         brieak?
case 3: pereorder (noot), break;
case 4: postonder ( 9100+); break;
case 5: inverder (Devot); break;
case 6: peunit ("Entue îtem to be deleted");
        scary"("%d", & Hem);
       noot = delete (noot, item);
       beceak;
  443
```