```
Week -8
# in dude (stdlo.h)
# foclude estellib.h>
stauct nodes
         at data;
        stauct node * node left;
         stoued node * sight;
                     the distriction of Parting & Dan house
 stouet node * coreale ()
   stand node * nownode;
    new no de = (stourd node *) malloc (size of (stourt node));
   pf (" Enter data ");
    sf(" 1.d". & newnode -> data);
    new node -> left = new node -> orght = NULL;
     section newnode;
                                 ( ( 1204 = 11 Anno )
 stouct node + Insort (stouet node + sepert, stout node + new rate
  h of (Groot 1= MARK)
    e of canot - data & new node - data)
          insert (soot > Deft, newnode);
      else
        perot - left = new node;
```

19/02/2003

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of (0000+ (= MOTT))
  ef Courot -data > newnode - data) {
        fiscat (quot -> last ; new node );
  gre ?
         scoot → sight = reconde;
  section sect;
staut node * paresorder (staut node *auort)
   of Coesof (= NULL);
         pointf ('It //d', Swot ->data)
         personates (snot-left);
          pourosider Count - sought);
Stauct node * mosider (dancet node * sucot)
     of (anot : = NOTT) }
        on postosides ( oxoot -) left );
         point (" It /d", swoot -data);
         mosider ( supots sight);
```

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stanct node postcoder Cotanut node sucos)
 I if ( Depot astrok ! = NULL){
       postosidesi (suot → left);
        pointf () It 1.d", smoot -> data);
        postosides (suot - sight);
  for mails () of
     Ent option;
   Stauct node "suot = NULL, * grus newsode;
    whele (1)
     pointé ("In 1 comende. 2. pomosider 3. monder 4. portouder
         5. Part ");
      point (" In Rater option");
       scantly .id'. & option);
      switch (option)
         cose 1: neumode = couende ();
                  et (anot ==NULL)
                    Y groot = newnode;
                else f
                     Sucort (owort, new node );
      Lase 2: perposider (suoof);
               boreals;
          case 3: monder (swot);
                beleate;
```

case 4: postosider (supot); boccab; case s: exct(0); pointf(or wowing water input gluen: -4); default: belook; 1. coverel 2 possessider 3. Proorder 4. postoorder 5.ent. Boter option: 1 Roter data: 200. 1. coucate 2 parpoider 3, mosider 4 postosider sout enter option ! 1 enter data: 150. 3. Prosider 4. postosider 5 en21 1. couate 2. pourander Enter option: 1 Enter data: 300 1. coepate 2. pouronder 3. moorder 4. postonder 5 andt. Porter opten: 1 ==. Perter data: 20 Rotor deda: 12 Enter doto: 30

enter option: 2 100,20,10,30,200,150,300. enter option: 3. 10, 20, 30, 400; (50', 1200,300) enter option: 4 20, 30, 20, 200, 150, 300, 100. to 02.24