```
#
    include (obdio.h)
廿
    include <stdlib.h)
 struct node
 1
    struct node * little .
       int info;
      struct node * rebuld:
     y :
      Short node " insert (struct rade + ptr, int i key);
       struct node * Min (shut node * ptr),
        Struct node " Max (struct node " ptr).
         void display ( shirt hode " ptr, int level);
       int man ()
  type of the agent all they by
            struct node * root = MULL , *pbr;
             int choice, k. (million,)
  while (2)
              print f ("In").
              Printf (" 1. Prosent In ");
              1 mitf (" 2. Display In");
            printf ("3. Find min & max (n");
                printf (" In Enter un chose . 11);
                Starf (" " od" & choir).
                switch (choice)
                              0
```

```
cate f:
   printf(" In Enter the key to be unsented:");
   s conf (" T.d", ( k),
    root = insert (root, k),
    break.
case 2:
     printf("In").
     duply (root, 0);
     result (" In")
     break, (1) (1)
 case o: (in his high him
   ( 17th = Min (root); hald
      in Copy = NNU)
        poten points (" Min key is ofodlin", ptr => info)
     Ptr = Max (noot);
        of (atri: NNW)
           printf ("Max bey is /odln", ptr > infol
          break.
          care 4: ( ) ) } from
           cost (i) at best 1 11
         punt f [" In Wrong choice);
      ( y god no del of the
          refrom to; " home
                  (male leting
```

shuret node * insert (struct node * ptr, intiber) 1 if (ptr= = NULL) ptr = (struct node +) mollac (size of (struct node)). Pbr - sinfo = ikey ptr -> lchold: MUH; ptr - rehald = NULL. esse of (ikey & ptr sirlo) ptr = lebeld = insert (ptr + lebel, iby). else of Cities > ptr + info) Ptr > reheld = insent (ptr - reheld, i key). else pendet (" In Druphide ky In). returnpti Struct node * Max (shuet node * ptr) d ind (ptr==NuLL) (return NULL; ebe il (ptr) rivild = = NULL) return Max (ptr > rehld).

```
struct node " Min (struct rode " ptr)
 if (ptr==NULL)
      return NULL;
     else if C ptr -> lefild = 2 MIL)
     erehun ptr;
     else
      return Min (ptr > lchld);
void display (shurt node * ptv, int level)
  1
     inti, laborated as a little
     of Copies Mull
        return;
      also.
      display (ptr + richeld, level 1).
      aruntf (" In")
      Per Ciro; iz level; i x+)
        prints (" ").
       printf (" "/od", ptr > Info).
       dorlay (ptr > lihld, lud + 1),
          (b) her of sold not
```