When to imprement sured list the following operations A Create a linked list tinclude (Statio-h) * Gud position & dilecary # include & stalib. h) "(a) known go to havillage) fullog Struct node { int data; Stouch modernext 3. Approved to the part caganot Struct + Node + head = NW; Struct nodet create Noole (int data) Stand nodet mangoodes coent no lectors Struct Node + Wew Node = (Struct Node+) malloc (Size of (Structo Node)) hewwoode - data = data; new node -> next = Null: return newpode ? here a famper much and roid inkert Al Beggining (int data) ¿ struct nodet new noole = create Node Colate o new Node - mext = head; head = new Node Froid ingertation (int data, int position) & stouct nodet new Noole = creotenode (data); if (position == 1) { inkert At Beginning (data) return; beind a grown sation

```
Struct nodet temp= head;
       forcint i=1; ic position-188 temp!= null;
        6 temp = temp=> Nextig
  voir or to store a to waiterent
      if (temp= null)
        E suduble a shupping to
         Point ("Position out of bounds In")
        return; I done home
                       instanta
         new node - ) next = temp - ) mext
         temp-) next = new Node
         3 x/ hun = to ask + show + were
        void insertatend (int doita) &
          Struct node + new node: Create Node Color
       if Chead= Null) 6 hours
         head = new Node | 100000 allom
          return, good abouturn
         Struct Node+ temp = head;
         While (temp-) mext != NULL)
         & temp = temp-mat
       (plob) tri ) prinippo 81 a tosni (biox
temp-) next = new Noole
         4 me illowed a magne should were
                 Capanagan past
        void delete Firstl)
  (date) of the date (ii) darie of the politica)
( chead = NW) &
            Point ("List is empty: (h))
            return jude 120 / 10 1929 16 16 2201
         Syruct Node* temp = heard;
         head = head -> next
           tree(temp);
```

```
void delete Atropition (in) positions
       & if Chead = = Null ) {
          point ("List is compty in")
        return; 3
       Struct Mode + temp = head ....
        3 (1== noi+isoq) di
         head = temponext;
      free (temp);
         returni que porte quel
       for Cint i = 1; iz Position - 1 ff temp! = well
      - ) } temp = temp => heact; 3 min
         if Ctemp= Null ) 1 temp -> NOC+ == Null)
           Print+ C"Porition out of boundain
           return: () along the
          Struct Node * node Topelete = temp> no
          temp - next = node To Decete -> next;
          free (noole to Delete);
        3 */m Ob 1 80 hard ") $19103
         roid deleterage()?
il Chead == NULL) &
           printf (!'List is emptyn");
and the server of rolling the server
         if (head -> next = = NOLL) to
free Chead
          head = NULL;
The seturn & the seturn &
          Struct Noole* temp - head;
          while (temp - next - next! = NOLL)?
           temp = temp -> next; 3
           Pree (temp-)next)
           temp - next = NULL
```

void displaylist() Struct Node* temp = head! if (tem 1) { Print + ("List is empty in") return & 3 ham months 9000 Loluine (temp!=NULL) (Print+("".d ->" temp -> data) temb = temb- > next; 9moly 99 - woiting sich si taid toil Point (" NULLIN") 140me 2000 11 11 1 9000 10 01 Enishmod to bid noil/2001) things int main() int choice, data, position; while (1) 19 10 horr of there fine! { (Flyddisian) 30%) printf (" Enter 1 to insert the Ocement Print ("Enter 2 to person the ele ent of End! ") Print + (" Enter 3 to belete the cu -ment at frond !"); Printfl" Enter 4 to Delete the ele et at the end "!")" Printf (" Entex 5 noto a Dixplay the ell bement is the topoch toward Prints (" Exit") just all you A Comp = 18mp = next Scant ("/d", &choice); LINUS - 1x30 damst

switch (choice) case 1: printf (" Enter dato: "); scant ("" /d", 2 data); insertat Beggining (data); break; case 2: 301011 rune 80100 Print + ("Enter data:"); scam + ("",o" , 7 data)" ingut at conding (data); enter hereapigni of otop matas case 3: deletefixx+(); vox point + ('deleted list: 1.d'); care 4: deleterastis; Print ! ("deleted list: ",d", care s: displayit , or break; case 6:3010003 1004 17100 vilano exitto y 120 botails default: print l'épleage enter correct office, 3 in 10 10 90 fas stas 9 000 19 return o;

OIP 193100000 dottle Menu; 1. Inserting at beggiving
2. Inserti at Ending
3. Delete at beggining
4. Delete at ending 5. Disploy the dist Enter your choice: 1 6. cxil Enter data to insert at beggining (ofob \$ 1/45") + man Enter your choice: 2 Enter date to insert at Ending 13 3200 Enter your choice:5 En Linked Light: 111-5122-> Enter Your choice:3 First Node deleted enter rous choice: 4 Last mode deletes Enter your choice: 5 Linked lift: Lift is empty Enter your choice; 8 Please ente correct choice