```
DAYANAND
#include Lstdio.h >
                                            1BM19C5043
#include Lstdlib.h7
  void cocate ();
   void display ();
   void define lint);
    Void invest - petose ();
     Stouct node
    ? int data;
        Stouct node * ment;
       Struct node * head = NULL
       int main (int ang c, & char * ang v)
        int choice, ele;
          Char ch;
         Printfl"n7. Cocate In2. Display In3 Delete In4.
          Insert - before m");
           Point + 1" In Entro your choice: ");
           Scanf ("1-d", 4 (hoice);
             Switch (choice)
          2 (as(1: (Seat(1); break;
            (ast 2: display (); botak;
(ast 3; pointf 1 "Entro the element to be deloted 1)
```

```
scanf ("1-d" & di);
 delfun (eli); borat;
case 4: insert - before;
        borak;
   be pointf!" In no you want to continue (ylly):");
     Fflush (stdin);
      Scanf ("1-1-1", a(h);
      9 white (ch=='y')11 ch=='y');
      Void ( greate 1)
     ¿ struct node * newnode, * temp;
       int item;
        new node = (stout node *) mallor (size of (stourt node));
         Printf (" Enter the dota: ");
         Scanf ["-1-d", 4ittm);
         newnode -> data = item;
          if (head = = NULL)
             newnode -> nort = NULL,
              head = newnode;
            Printt!" Node (moded \n');
             else
```

```
& temp = head;
     while (temp-7 next!=NULL)
         temp=temp-7 next;
        24
       temp-7 next = new node
        newnode -7 next=NULL;
        Printf (" Node (rocated m");
       void diplay ()
        stouct node * Ptr=NULLj
          Ptr=head;
          if (pt& = NULL)
         Print of ("Nothing to print \n");
          whik (pto !- NULL)
           Point+ ("1.d", p+x -7 data);
            PATS = PATS -7 next;
```

```
void del fun (int ell)
   struct node *temp, * del= NULL;
     if ( head == NULL)
   ? Prointf I'Empty List. Can't delet \n");
       return; y
       temp- head;
       if (head -7 data = = ele)
     { head = head = 7 next;
          sturn;
      & whik (temp-) next! = NULL)
       3 it (temp-) next-7 data == ele)
         of du = temp-7 next;
           if (del = mext = = NULL)
            temp-) rext = NULL;
             elli
            temp=Inixt = del =7 nixt;
            else
              temp= temp -7 next;
          if (del == NULL)
        ? Pointf ("elment Nort found in the list \n"); ottwor
```

```
Void insert - betore ()
? Strouct node *newnode;
    int eli;
     Printf (" Enter the eliment: ");
        Scanf ("1.d", Sell);
       new node = (struct node *) malloc (size of Istruct
         node)).
         newnode -7 data = eli;
         newnode -7 nixt=hrad;
          hood = nownode,
```