LINKED LIST

```
# include (stolio.h)
#include (stallib.h)
void crecete();
void detete (int);
void display ();
void insertbefore ();
 Struct noch
  int data;
  Sturvet noch * next;
  Struct noch thead = NULL;
  int main()
   int element, c",
   char ch;
  do
   print ("Enter your Choice: \n");
  print ("1) fo create \n 2) for deletion \n
           3) for display in 4) for inserting in front
            of the list \n");
   scanf ("% d", &c);
   Switch (c)
    caset: create();
            bruck;
                                          Darshau Moujan
```

```
case 2: printf ("Enter eliment to be deteted in");
       Scarf (" % od", & elemet);
       delete (elevent);
       Greek;
case 3: display();
        brecele;
Can 48 insert before ();
        break ;
 print ("Do you want to continue (");
 fflush (stdin);
  Scarf ("% "c", &ch);
  } while (ch== 'y' 11 ch== 'Y');
 void create()
 struct noch * teup, * new node;
  aut item;
  new nocle = (struct nocle *) unalloc (size of (struct nocle));
  priety ("Enter element: (h");
  Scarf (" %d", Liteur);
  new node (-> data = item;
  if (head == NULL)
    hewhode -> next = NULL;
    head = newhooli;
    privity ("node creceted ");
```

```
else
  teup=heod;
       (tempode -> next/= NULL);
   temp=tep > next;
  tep > next = newnode;
  hew noch - next = NULL;
  Prict ("Node creceted m");
void display()
 Struct noch
 ptr= hece;
  if (ptr==NULL)
 elsi
   uchild ( pto != NIVLL);
    print ("%d\n"); ptr->deta);
    ptr=ptr→next;
```

```
void defete (intele)
Struct node + teep, + del = NULL;
  if (head ==NULL)
   prh 16 ("Nothing to delete ");
   ruturn;
  temp= heed;
   if (head - duta = ele)
     head: head > next;
     return;
   while (teep > next! = NULL)
     is (teyp - next = ) deta= ele)
      del = temp > next;
      if ( old -> next == NULL)
      temp-> mxt=NULL",
     else
     temp-next=del-next;
   else
    temp=temp=) next;
    if (dd==nlvu)
    pries ("Eliment not found in the list \n");
    return ;
```

void insert bfore()

E

Struct noch * newnode;

int ele;

priet6 ("Enter the element 'n");

Scanf ("%od", & ele);

newnode -> data = ele;

newnode -> mod = heel;

head: newnode;

3