```
#include < stdio.h >
#include astalib.h7
  Stouct node 2
      int data;
       struct node theoet;
       Stouct node *proev;
     3;
      struct node *head=NULL;
        void insert_Left()
        3 struct node *new_node;
          new_node (struct node*) malloc(size of (struct node));
            Printf ("Enter the item \n");
             Scanf ("1.d", I new_node-7data);
               new-node-7 next=NULL;
                new-node-7 Prev=NULL;
                 if (head=NULL)
                    head = new_mode;
                 elsc
                 2 new-node-mext= head;
                     head -> prev= new-node:
                       head = new_node;
                 void insext-right ()
                 stouct node * new_node, * temp;
                 new-node = (Struct node *) malloc (size of (struct nod
```

```
Dayanand
IBMIACSO43
```

```
Printf ("Entry the item(");
Scanfl" ".1.d", Iniw_node -7 data);
 new-node-Inext=NULL;
  new-node -> prev=NULL;
    if (head == NULL)
   ? head = new_node;
    else
  2 temp = head;
      while (temp) next! = NULL)
         temp= temp=7 next;
         temp -> next = new-node;
           new-node-7 pro (V=temp;
       void del ()
      ¿ struct node * temp;
           int ele;
          if (head == NULL)
        { pointf ("Empty List \n");
              return;
         Pointfl" Enter the element to be deloted in");
          scanf("1.d", 4 ele);
            temp=head;
           while (temp-7 docta! = ele)
           ¿ temp = temp -> tnext;
             if (temp== NULL)
              Pointfl'Element is not in the List \n");
               bocak;
```

DAYANAND IBM19 (3043 if (temp== nead) head = head = next; else if (timp-7 next=NULL) temp=> prev ; temp-7 next=NULL; eus (} temp-7 poer-7 not=temp-7 nort; temp-7 next -7 prev = temp-7 prev", 3 8 void display () Struct node * ptr; Pto=head; while (pto != NULL) 2 point f 1" 1-d 1+", pt o -> data); Pt8 = pt8 -7 nwct3; Printf ("\n"), main() 2 int Choice; while(1) printf ("I. Insert at the Left \n"); printf ("2. Invert at the right m"); Printf(" 3. Delete m');

printf(" 4. Display \n");

Roothof

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```
Pointf ("5. Exit(n)");

Pointf ("Enter your Choice (n");

Scanf ("rd", 4 choice);

Switch (choice)

Case 1: insert_left (); frack;

Case 2: insert_right(); frack;

Case 3: del(); frack;

Case 3: del(); frack;

Case 5: exit(o);

g

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```

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