```
Step 1: Define Structure
struct Node{
       int info;
       struct Node *next;
       };
       typedef Node node;
       node *list= NULL,*tail=NULL;
Step 2: Write Function
       void insertAtHead()
       {
               node *p;
               int ele;
               printf("\n Enter Element to insert At Head:\n");
               scanf("%d",&ele);
               p=(node*)malloc(sizeof(node));
               p->info = ele;
               p->next=list;
               if(NULL==list)
                      tail=list=p;
               else
                      list = p;
               printf("\n %d is added to the Linked List\n",list->info);
       }
int deleteFromHead()
{
       int ele;
       if(NULL == list )
       {
               printf("\nThere are no element in the Linked List to delete\n");
               return NULL;
       }
       else
       {
```

```
ele = list->info;
               list=list->next;
               //return ele;
       }
       return ele;
}
void insertAtTail()
       {
               node *p;
               int ele;
               printf("\n Enter Element to insert At Tail:\n");
               scanf("%d",&ele);
               p=(node*)malloc(sizeof(node));
               p->info = ele;
               p->next=NULL;
               if(NULL==tail)
                       tail=list=p;
               else
               {
                       tail->next = p;
                       tail=p;
               }
               printf("\n %d is added to the tail of a Linked List\n",tail->info);
int deleteFromTail()
{
       int ele;
       if(NULL == tail)
       {
               printf("\nThere are no element in the Linked List to delete\n");
               return NULL;
       }
       else
       {
               for(node *temp=list; temp->next!=NULL; temp=temp->next)
               ele = tail->info;
               free(tail);
               tail = temp;
```

```
list=list->next;
               //return ele;
       }
       return ele;
}
void displayAll()
{
       printf("\n The Element Stored in Linked List Are:\n");
       for(node * temp = list ; temp!= NULL; temp= temp->next)
               printf("%d\t",temp->info);
}
step 3: Write void main
void main()
{
       char ch;
       int choice;
    // clrscr();
       do{
               clrscr();
               printf("\n\tMENU\n");
               printf("1 -> Insert a Node at Head\n");
               printf("2 -> Delete a Node From Head\n");
               printf("3 -> Insert a Node at Tail\n");
               printf("4 -> Delete a Node from Tail\n");
               printf("5 -> Display All\n");
               printf("Enter your Choice\n");
               scanf("%d",&choice);
               switch(choice)
               {
                       case 1:
                              insertAtHead();
                               break;
                       case 2:
                               if(list== NULL)
                                      printf("Linked List is Empty:\n");
                               else
                                      printf("%d is deleted From Linked
List\n",deleteFromHead());
                               break;
                       case 3:
```

```
insertAtTail();
                               break;
                       case 4:
                               if(tail == NULL)
                                      printf("Linked List is Empty:\n");
                               else
                                      printf("%d is deleted From Linked List\n",deleteFromTail());
                               break;
                       case 5:
                               if(list== NULL)
                                      printf("Linked List is Empty:\n");
                               else
                                      displayAll();
                               break;
               fflush(stdin);
               printf("Do you want to continue:(Y/N)\n");
               ch = toupper(getchar());
       }while(ch=='Y');
    // getch();
}
```