Assignment Day-3:

1.Write a function “insert\_any()” for inserting a node at any given position of the linked list. Assume position starts at 0.

-->

Node\* insert\_any()(Node \*head, int data, int position)

{

Node \* newnode = (Node \*)malloc(sizeof(Node));

newnode->data=data;

Node \*temp=head,\*prev;

if(position==0){

newnode->next=head;

head=newnode;

return head;

}

else{

while(position--){

prev=temp;

temp=temp->next;

}

prev->next=newnode;

newnode->next=temp;

return head;

}

}

2. Write a function “delete\_beg()” for deleting a node from the beginning of the linked list.

-->

void delete\_beg()

{

if(start==NULL)

{

printf("The list is empty!!");

}

else

{

q=start;

start=start->next;

printf("Deleted element is %d",q->data);

free(q);

}

}

3.Write a function “delete\_end()” for deleting a node from the end of the linked list.

-->

void delete\_end()

{

if(start==NULL)

{

printf("The list is empty!!");

}

else

{

q=start;

while(q->next->next!=NULL)

q=q->next;

t=q->next;

q->next=NULL;

printf("Deleted element is %d",t->data);

free(t);

}

}