**Question 1**

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

**Ans:**

int insert\_any()

{

    int pos,i,num;

    if(start==NULL)

    {

        printf("List is empty!!");

        return 0;

    }

    t=(struct node\*)malloc(sizeof(struct node));

    printf("Enter data:");

    scanf("%d",&num);

    printf("Enter position to insert:");

    scanf("%d",&pos);

    t->data=num;

    q=start;

    for(i=1;i<pos-1;i++)

    {

        if(q->next==NULL)

        {

            printf("There are less elements!!");

            return 0;

        }

        q=q->next;

    }

    t->next=q->next;

    q->next=t;

    return 0;

}

**Question 2**

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

**Ans 2:**

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);

}

}

**Question 3:**

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

**Ans:**

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);

    }