**Question 1**

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

void insert\_any()

{

struct node \*temp=head;

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

printf(“Enter the item to be inserted: ”);

int x; scanf(“%d”, &x);

new->data=x;

new->next=NULL;

printf(“Enter the position of insertion: ”);

int k; cin>>k;

int count=0;

while(temp!=NULL)

{

count++;

temp=temp->next;

}

if(head==NULL && k==1)

head=new;

else if(k<=count)

{

temp=head;

k=k-2;

while(k--)

temp=temp->next;

new->next=temp->next;

temp->next=new;

}

else

printf(“Insetion not possible”);

}

**Question 2**

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

void delete\_beg()

{

if(head==NULL)

printf(“Deletion not possible”);

else

{

struct node \*temp=head;

head=temp->next;

temp->next=NULL;

free(temp);

}

}

**Question 3**

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

void delete\_end()

{

if(head==NULL)

printf(“Deletion not possible”);

else

{

struct node \*temp=head;

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

temp=temp->next;

struct node \*temp1=temp->next;

temp->next=NULL;

free(temp1);

}

}