#include <iostream>

#include <cstdlib>

using namespace std;

struct all

{

int data;

struct all \*next;

};

int main() {

int c=0;

struct all \*f=NULL;

struct all \*t=NULL,\*l=NULL;

int x;

cout<<”Enter 0 to end”;

do{

cout<<"enter data: ";

cin>>x;

if(x!=0)

{

t=new all;

t->data=x;

t->next=NULL;

if (f==NULL)

f=l=t;

else

{

l->next=t;

l=t;

}

c+=1;

}

}while(x!=0);

cout<<endl<<"list is";

cout<<endl;

t=f;

while(t)

{

cout<<t->data<<" ";

t=t->next; //address of next variable

}

struct all \*q=f,\*r=NULL,\*p=f;

p=f->next;

while(q!=NULL)

{

q->next=r;

r=q;

q=p;

if(p!=NULL)

{

p=p->next;

}

}

f=r;

p=f;

cout<<"Reversed list is: ";

while(p)

{

cout<<p->data<<" ";

p=p->next; //address of next variable

}

return 0;

}