Print linked list in reeves order:

```
#include<iostream.h>
#include<conio.h>
#include<stdlib.h>
struct node{
            int data;
            struct node *link;
           }*p,*q,*f,*r,*start;

void createNnode()
{
 int n,i;
 p=new node;
 start=p;
 cout<<"how many elements you like to create"<<endl;
 cin>>n;
 for(i=0;i<n;i++)
  {
   cin>>p->data;
   if(i!=n-1)
   q=new node;
   else q=NULL;
   p->link=q;
   p=q;
  }
}
void displaylist()
{
 p=start;
 while(p!=NULL)
    {
     cout<<"\t"<<p->data;
     p=p->link;
    }
```

```
}
void invert(struct node **x)
{
 p=*x;
 q=NULL;
 while(p!=NULL)
    {
     r=q;
     q=p;
     p=p->link;
     q->link=r;
    }
 *x=q;
}
void printrev(struct node*p)
{
 if(p!=NULL)
  {
  printrev(p->link);
  cout<<"\t"<<p->data;
  }
 }
void main()
{
 int choice,k,item,item1,l;
 clrscr();
 start=NULL;
 do
  {
   cout<<"representation of linked list and its operation"<<endl;
   cout<<"-----------------------------------------------"<<endl;
   cout<<"1-creation alinked list"<<endl;
   cout<<"2-display the content of the linked list"<<endl;
   cout<<"3-print the elements in reverse order"<<endl;
   cout<<"4-reverse the order of the list element"<<endl;
```

```
  cout<<"5-exit"<<endl;
  cout<<"select your choice"<<endl;
  cin>>choice;
  switch(choice)
    {
     case(1):
     createNnode();
     break;
     case(2):
        {
         cout<<"the element of the liked list are:"<<endl;
         displaylist();
         break;
         }
         case(3):
           {
            cout<<"this is the elements of the list are printed in reverse order"<<endl;
            printrev(start);
            break;
           }
            case(4):
              {
                 invert(&start);
                 cout<<"the elements of the list are reversed"<<endl;
                 break;
                 }
        }
}while(choice!=5);
}
```