```
1
2
   3
4
  #include<stdio.h>
5
  #include<stdlib.h>
6
7
   struct node
8
9
          int data;
10
          struct node *next;
11
       } *head=NULL;
12
13
  void createLL()
14
   {
15
16
      int n,i,item;
17
      printf("\n Enter the No. of elements in List\n");
18
19
      scanf("%d",&n);
20
      struct node *q=head;
21
22
      for(i=1;i<=n;i++)</pre>
23
          struct node *p=(struct node *)malloc(sizeof(struct node));
24
25
          printf("\n enter the element");
          scanf ("%d",&item);
26
27
          p->data=item;
28
29
          if(head==NULL)
30
31
             p->next=NULL;
32
             head=p;
33
             q=p;
34
          }
35
          else
36
37
             q->next=p;
38
             p->next=NULL;
39
             q=q->next;
          }
40
41
42
43
44
   int first=1;int i;
45
   void ReverseLLinParts(struct node *Lhead, int k)
46
47
      struct node *l=Lhead; struct node *t=Lhead;
48
      for(i=1;i<k;i++)
49
50
          t=t->next;
51
          if(t==NULL)
52
            return;
53
54
55
      if(first==1)
56
57
          head=t;
58
          first=0;
59
60
      struct node *p=Lhead;struct node *r=Lhead;struct node *q=NULL;
61
62
63
      while(q!=t)
64
65
          r=r->next;
66
          p->next=q;
```

```
67
             q=p;
 68
             p=r;
 69
 70
 71
         if(p==NULL)
 72
 73
             return;
 74
 75
         else
 76
          {
 77
              for(i=1;i<k;i++)</pre>
 78
 79
                  p=p->next;
 80
                  if(p==NULL)
 81
 82
                      1->next=r;
 83
                      return;
 84
 85
 86
              if(p!=NULL)
 87
 88
                  1->next=p;
 89
                  ReverseLLinParts(r,k);
 90
                  return;
 91
          }
 92
 93
 94
 95
 96
 97
     void display()
 98
 99
         struct node *p=head;
100
         while(p!=NULL)
101
102
             printf("%d",p->data);
             printf("--->");
103
104
             p=p->next;
105
106
107
108
    void main()
109
110
         createLL();
111
         display();
         printf("\n\n");
112
         ReverseLLinParts(head,3);
113
114
         display();
115
```