

```

57     struct node* prev = NULL;
58     struct node* next;
59     while(curr != NULL)
60     {
61         next = curr->next;
62         curr->next = prev;
63         prev = curr;
64         curr = next;
65     }
66     mid = prev;
67     return mid;
68 }
69
70 //reverse half list
71 void revHalfList(struct node* &head)
72 {
73     struct node* temp = head;
74     struct node* prev = head;
75     int i;
76     int size = listSize(head);
77     for(int i = 0; i < (size/2); i++)
78     {
79         prev = temp;
80         temp = temp->next;
81     }
82
83     prev->next = revList(temp);
84 }
85
86
87 int main()
88 {
89     struct node* head = NULL;
90     insertHead(head,8);
91     insertHead(head,7);
92     insertHead(head,6);
93     insertHead(head,5);
94     print(head);
95     insertHead(head,1);
96     insertHead(head,2);
97     insertHead(head,3);
98     insertHead(head,4);
99     print(head);
100    int n = listSize(head);
101    revHalfList(head);
102    print(head);
103
104 }
105
106

```