```
#include <stdio.h>
    #include <malloc.h>
    struct node
 5
 6
        int iData;
 7
        struct node *pNext;
 8
    };
 9
10
    void InsertLast(struct node **, int);
    void Display(struct node *);
11
    void DeleteAll(struct node **);
12
13
    int main(void)
14
15
16
        struct node *pFirst = NULL;
        struct node *pSecond = NULL;
17
18
19
        InsertLast(&pFirst, 10);
20
        InsertLast(&pFirst, 20);
21
        InsertLast(&pFirst, 30);
23
        InsertLast(&pSecond, 40);
24
        InsertLast(&pSecond, 50);
25
        InsertLast(&pSecond, 60);
26
27
        printf("First list is :\n");
                                              // 10 20 30
28
        Display(pFirst);
29
        printf("\n\nSecond list is :\n");
                                               // 40 50 60
3.0
        Display (pSecond);
31
        printf("\n");
        DeleteAll(&pFirst);
34
        DeleteAll(&pSecond);
35
        return 0;
36
37
    }
38
39
    void InsertLast(struct node **ppHead, int iNo)
40
41
        struct node *pTemp = NULL;
42
        struct node *pNewNode = NULL;
43
        pNewNode = (struct node *) malloc (sizeof(struct node));
44
45
        if(NULL == pNewNode)
46
            printf("Memory allocation FAILED\n");
47
48
            return;
49
        }
50
51
        pNewNode->iData = iNo;
52
        pNewNode->pNext = NULL;
53
        if(NULL == *ppHead)
55
        {
56
             *ppHead = pNewNode;
57
             return;
58
59
        pTemp = *ppHead;
61
        while(pTemp->pNext != NULL)
62
            pTemp = pTemp->pNext;
63
64
        pTemp->pNext = pNewNode;
65
    }
66
    void Display(struct node *pHead)
67
```

```
68
        if(NULL == pHead)
69
70
            printf("List is empty\n");
71
72
            return;
73
        }
74
        while(pHead != NULL)
75
76
            printf("|%d|->", pHead->iData);
77
78
            pHead = pHead->pNext;
79
        }
80
    }
81
    void DeleteAll(struct node **ppHead)
82
83
        struct node *pTemp = *ppHead;
84
85
86
        while(*ppHead != NULL)
87
            pTemp = *ppHead;
88
89
            *ppHead = pTemp->pNext;
90
            free (pTemp);
        }
91
    }
92
93
```