

```

1  #include<stdio.h>
2  #include<stdlib.h>
3  struct Node
4  {
5      int Info ;
6      struct Node *Link ;
7  }*ptr , *start = NULL , *save ,*newN ,*Loc ;
8  main ()
9  {
10     int val = 0 , strtOk = 1 , Item ;
11
12     printf ( "Enter a value: " );
13     scanf ( "%d" , &val );
14     //start = NULL;
15
16     while ( val != 0 )
17     {
18         ptr = (struct Node *) malloc ( sizeof (struct Node ) );
19         if (ptr != NULL )
20         {
21             if (strtOk == 1)
22             {
23                 start = ptr ;
24                 ptr -> Info = val ;
25                 ptr -> Link = NULL ;
26                 save = ptr ;
27                 strtOk = 0 ;
28             }
29             else
30             {
31                 ptr -> Info = val ;
32                 save -> Link = ptr ;
33                 ptr -> Link = NULL ;
34                 save = ptr ;
35             }
36             printf ( "Enter a value: " );
37             scanf ( "%d" , &val );
38         }
39         else
40             printf ( "Overflow !" );
41     }
42     ptr = start ;
43     while ( ptr != NULL )
44     {
45         printf ( " %d" , ptr -> Info );
46         ptr = ptr -> Link ;
47     }
48
49     printf ( "\nEnter Given node value for deletion: " );
50     scanf ( "%d" , &val );
51
52     if (start != NULL )
53     {
54         ptr = start ;
55         save = start ;
56         Loc = NULL ;
57         while ( ptr != NULL && Loc == NULL ) // searching given node
58         {
59             if (val == ptr -> Info )
60                 Loc = ptr ;
61             else
62             {
63                 save = ptr ;
64                 ptr = ptr -> Link ;
65             }
66         }
67
68         if (Loc != NULL ) // Deleting a given node
69         {
70             if (Loc == start )
71                 start = NULL ;
72             else
73                 save -> Link = Loc -> Link ;
74             printf ( "\nAfter Deleting a node, List becomes: \n" );
75             ptr = start ;
76             while ( ptr != NULL )
77             {
78                 printf ( " %d" , ptr -> Info );
79                 ptr = ptr -> Link ;
80             }
81         }
82         else
83             printf ( "\nGiven value doesn't match." );
84     }

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85     else
86         printf("\nUnderflow !");
87     return 0;
88 }
89
```