```
#include<stdio.h>
1
     #include<stdlib.h>
     struct Node
 4
5
         int Info ;
 6
        struct Node *Link ;
 7
     }*ptr , *start , *save,*newN ,*Loc;
     main()
9
         int val = 0, strtOk = 1, Item ;
10
11
         printf ("Enter a value: ");
scanf("%d", &val);
12
13
14
          while (val != 0)
15
16
17
            ptr = (struct Node *)malloc(sizeof(struct Node));
18
            if (ptr != NULL )
19
20
                     if (strt0k == 1)
2.1
22
                          start = ptr;
                          ptr -> Info = val;
ptr -> Link = NULL;
23
24
                          save = ptr;
25
26
                          strtOk = 0;
27
28
                     else
29
30
                          ptr -> Info = val ;
                          save-> Link = ptr ;
31
32
                          ptr -> Link = NULL ;
                          save = ptr ;
34
               printf ("Enter a value: ");
35
               scanf("%d", &val);
37
38
            else
               printf ("Overflow !" );
39
40
41
         ptr = start ;
42
         while (ptr != NULL )
43
             printf (" %d" , ptr -> Info );
44
45
             ptr = ptr -> Link ;
46
47
          printf ("\nEnter Item value: ");
          scanf("%d", &Item);
48
          printf ("\nEnter Given node value: ");
49
          scanf("%d", &val);
50
          newN = (struct Node *)malloc(sizeof(struct Node));
52
          if (newN != NULL )
53
54
               newN -> Info = Item ;
55
               ptr = start ;
               Loc = NULL ;
57
                while (ptr != NULL && Loc == NULL ) // searching given node
58
                     if (val == ptr -> Info )
59
60
                          Loc = ptr ;
                     else
61
62
                          ptr = ptr -> Link ;
63
64
                if (Loc != NULL ) // Insert After a given node
65
                          newN -> Link = Loc -> Link ;
66
67
                          Loc -> Link = newN ;
68
69
               else
                                // Insert at first node
70
                          newN -> Info = Item ;
newN -> Link = start ;
71
72
                          start = newN ;
73
74
75
76
          printf ("Overflow !" );
printf ("\nAfter Inserting an Item: \n");
77
78
79
         ptr = start ;
80
         while (ptr != NULL )
81
             printf (" %d" , ptr -> Info );
82
             ptr = ptr -> Link;
83
84
```

return 0; 86 }