

```
1. Create (Insert)
2. Delete Last
3. Delete Specific
4. Display
5. Exit
Enter your choice: 1
Enter value: 20
```

```
1. Create (Insert)
2. Delete Last
3. Delete Specific
4. Display
5. Exit
Enter your choice: 1
Enter value: 40
```

```
1. Create (Insert)
2. Delete Last
3. Delete Specific
4. Display
5. Exit
Enter your choice: 2
```

9+ 26°C
Sunny

```
D:\1BF24CS107\lab5.exe
1. Create (Insert)
2. Delete Last
3. Delete Specific
4. Display
5. Exit
Enter your choice: 1
Enter value: 50

1. Create (Insert)
2. Delete Last
3. Delete Specific
4. Display
5. Exit
Enter your choice: 2

1. Create (Insert)
2. Delete Last
3. Delete Specific
4. Display
5. Exit
Enter your choice: 4
10 -> 20 -> 30 -> 40 -> NULL

1. Create (Insert)
2. Delete Last
3. Delete Specific
4. Display
5. Exit
Enter your choice: 3
Enter value to delete: 30

1. Create (Insert)
2. Delete Last
3. Delete Specific
4. Display
5. Exit
Enter your choice: 5

Process returned 0 (0x0)   execution time : 59.060 s
Press any key to continue.
|
```

lab5.c - Code::Blocks 20.03

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Start here x lab5.c x

```
88
89 while (1) {
90     printf("\n1. Create (Insert)\n2. Delete Last\n3. Delete Specific\n4. Display\n5. Exit\n");
91     printf("Enter your choice: ");
92     scanf("%d", &choice);
93
94     switch (choice) {
95         case 1:
96             printf("Enter value: ");
97             scanf("%d", &value);
98             create(value);
99             break;
100
101         case 2:
102             deleteLast();
103             break;
104
105         case 3:
106             printf("Enter value to delete: ");
107             scanf("%d", &value);
108             deleteSpecific(value);
109             break;
110
111         case 4:
112             display();
113             break;
114
115         case 5:
116             exit(0);
117
118         default:
119             printf("Invalid choice.\n");
120     }
121 }
122 return 0;
123 }
124
```

Logs & others

Code::Blocks x Search results x Cccc x Build log x Build messages x CppCheck/Vera++ x CppCheck/Vera++ messages x Cscope x Debugger x DoxyBlocks x Fortran info x Closed files list x Thread search x

File	Line	Message
		=== Build file: "no target" in "no project" (compiler: unknown) ===
		=== Build finished: 0 error(s), 0 warning(s) (0 minute(s), 0 second(s)) ===

D:\1BF24CS107\lab5.c C/C++ Windows (CR+LF) WINDOWS-1252 Line 10, Col 1, Pos 130 Insert Read/Write default

26°C Sunny 11:58:09 10-11-2025

lab5.c - Code::Blocks 20.03

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Start here x lab5.c x

```
88
89 while (1) {
90     printf("\n1. Create (Insert)\n2. Delete Last\n3. Delete Specific\n4. Display\n5. Exit\n");
91     printf("Enter your choice: ");
92     scanf("%d", &choice);
93
94     switch (choice) {
95         case 1:
96             printf("Enter value: ");
97             scanf("%d", &value);
98             create(value);
99             break;
100
101         case 2:
102             deleteLast();
103             break;
104
105         case 3:
106             printf("Enter value to delete: ");
107             scanf("%d", &value);
108             deleteSpecific(value);
109             break;
110
111         case 4:
112             display();
113             break;
114
115         case 5:
116             exit(0);
117
118         default:
119             printf("Invalid choice.\n");
120     }
121 }
122 return 0;
123 }
124
```

Logs & others

Code::Blocks x Search results x Cccc x Build log x Build messages x CppCheck/Vera++ x CppCheck/Vera++ messages x Cscope x Debugger x DoxyBlocks x Fortran info x Closed files list x Thread search x

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D:\1BF24CS107\lab5.c C/C++ Windows (CR+LF) WINDOWS-1252 Line 10, Col 1, Pos 130 Insert Read/Write default

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lab5.c - Code::Blocks 20.03

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Start here x lab5.c x

```
73 struct Node *temp = head;
74 if (temp == NULL) {
75     printf("List is empty.\n");
76     return;
77 }
78
79 while (temp != NULL) {
80     printf("%d -> ", temp->data);
81     temp = temp->next;
82 }
83 printf("NULL\n");
84 }
85
86 int main() {
87     int choice, value;
88
89     while (1) {
90         printf("\n1. Create (Insert)\n2. Delete Last\n3. Delete Specific\n4. Display\n5. Exit\n");
91         printf("Enter your choice: ");
92         scanf("%d", &choice);
93
94         switch (choice) {
95             case 1:
96                 printf("Enter value: ");
97                 scanf("%d", &value);
98                 create(value);
99                 break;
100
101             case 2:
102                 deleteLast();
103                 break;
104
105             case 3:
106                 printf("Enter value to delete: ");
107                 scanf("%d", &value);
108                 deleteSpecific(value);
109                 break;
```

Logs & others

Code::Blocks x Search results x Cccc x Build log x Build messages x CppCheck/Vera++ x CppCheck/Vera++ messages x Cscope x Debugger x DoxyBlocks x Fortran info x Closed files list x Thread search x

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D:\1BF24CS107\lab5.c C/C++ Windows (CR+LF) WINDOWS-1252 Line 10, Col 1, Pos 130 Insert Read/Write default

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lab5.c - Code::Blocks 20.03

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Start here x lab5.c x

```
37
38     struct Node *temp = head;
39     while (temp->next->next != NULL)
40         temp = temp->next;
41
42     free(temp->next);
43     temp->next = NULL;
44 }
45
46 void deleteSpecific(int key) {
47     if (head == NULL) {
48         printf("List is empty.\n");
49         return;
50     }
51
52     if (head->data == key) {
53         struct Node *temp = head;
54         head = head->next;
55         free(temp);
56         return;
57     }
58
59     struct Node *curr = head;
60     while (curr->next != NULL && curr->next->data != key)
61         curr = curr->next;
62
63     if (curr->next == NULL) {
64         printf("Element not found.\n");
65     } else {
66         struct Node *temp = curr->next;
67         curr->next = temp->next;
68         free(temp);
69     }
70 }
71
72 void display() {
73     struct Node *temp = head;
```

Logs & others

Code::Blocks x Search results x Cccc x Build log x Build messages x CppCheck/Vera++ x CppCheck/Vera++ messages x Cscope x Debugger x DoxyBlocks x Fortran info x Closed files list x Thread search x

File	Line	Message
		=== Build file: "no target" in "no project" (compiler: unknown) ===
		=== Build finished: 0 error(s), 0 warning(s) (0 minute(s), 0 second(s)) ===

D:\18F24CS107\lab5.c C/C++ Windows (CR+LF) WINDOWS-1252 Line 10, Col 1, Pos 130 Insert Read/Write default ENG IN 11:57:41 10-11-2025

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lab5.c - Code::Blocks 20.03

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Start here x lab5.c x

```
1  #include <stdio.h>
2  #include <stdlib.h>
3
4  struct Node {
5      int data;
6      struct Node *next;
7  };
8
9  struct Node *head = NULL;
10
11 void create(int value) {
12     struct Node *newNode = (struct Node *)malloc(sizeof(struct Node));
13     newNode->data = value;
14     newNode->next = NULL;
15
16     if (head == NULL) {
17         head = newNode;
18     } else {
19         struct Node *temp = head;
20         while (temp->next != NULL)
21             temp = temp->next;
22         temp->next = newNode;
23     }
24 }
25
26 void deleteLast() {
27     if (head == NULL) {
28         printf("List is empty.\n");
29         return;
30     }
31
32     if (head->next == NULL) {
33         free(head);
34         head = NULL;
35         return;
36     }
37 }
```

Logs & others

Code::Blocks x Search results x Cccc x Build log x Build messages x CppCheck/Vera++ x CppCheck/Vera++ messages x Cscope x Debugger x DoxyBlocks x Fortran info x Closed files list x Thread search x

File	Line	Message
		=== Build file: "no target" in "no project" (compiler: unknown) ===
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D:\18F24CS107\lab5.c C/C++ Windows (CR+LF) WINDOWS-1252 Line 10, Col 1, Pos 130 Insert Read/Write default ENG IN 11:57:17 10-11-2025

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