

DeepakGontla/CSA0302-Data- xFREE AI Code Generator: Gener xOnline C Compiler - Programiz x

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C Online Compiler

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main.c

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```
33 free(temp);
34 }
35
36 void push(struct Node** head_ref, int new_data) {
37     struct Node* new_node = (struct Node*)malloc(sizeof(struct Node));
38     new_node->data = new_data;
39     new_node->next = (*head_ref);
40     new_node->prev = NULL;
41
42     if ((*head_ref) != NULL) {
43         (*head_ref)->prev = new_node;
44     }
45
46     (*head_ref) = new_node;
47 }
48
49 void printList(struct Node* node) {
50     struct Node* last;
51     printf("Traversal in forward direction: \n");
52     while (node != NULL) {
53         printf("%d ", node->data);
54         last = node;
55         node = node->next;
56     }
57     printf("\n");
58 }
59
60 int main() {
```

Output

Original Linked List:  
Traversal in forward direction:  
5 4 3 2 1  
Linked List after deletion at position 2:  
Traversal in forward direction:  
5 4 2 1  
  
=== Code Execution Successful ===

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