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MAIN FUNCTION TO DRIVE BOTH CODE:
int main() {
  cout << "\n--- Singly Linked List Operations ---\n";
  addNode(10); addNode(20); addNode(30);
  displayList();
  deleteNode(20);
  displayList();
  cout << "\n--- Doubly Linked List Operations ---\n";
  addDNode(100); addDNode(200); addDNode(300);
  displayDList();
  deleteDNode(200);
  displayDList();
  return 0;
}
SINGLY LINKED LIST:
#include <iostream>
using namespace std;
struct Node {
  int data;
  Node* next;
};
Node* head = nullptr;
void addNode(int value) {
  Node* newNode = new Node{value, nullptr};
  if (!head) {
     head = newNode;
  } else {
     Node* temp = head;
     while (temp->next) temp = temp->next;
    temp->next = newNode;
}
void displayList() {
  Node* temp = head;
  cout << "Singly Linked List: ";
  while (temp) {
     cout << temp->data << " -> ";
    temp = temp->next;
  }
  cout << "NULL\n";</pre>
void deleteNode(int value) {
  Node* temp = head;
  Node* prev = nullptr;
  while (temp && temp->data != value) {
     prev = temp;
     temp = temp->next;
  }
  if (!temp) {
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cout << "Value not found!\n";
    return;
  }
  if (!prev) head = head->next;
  else prev->next = temp->next;
  delete temp;
  cout << "Deleted value: " << value << endl;
}
DOUBLY LINKED LIST:
#include <iostream>
using namespace std;
struct DNode {
  int data;
  DNode* prev;
  DNode* next;
};
DNode* headD = nullptr;
void addDNode(int value) {
  DNode* newNode = new DNode{value, nullptr, nullptr};
  if (!headD) {
     headD = newNode;
  } else {
     DNode* temp = headD;
     while (temp->next) temp = temp->next;
    temp->next = newNode;
    newNode->prev = temp;
  }
}
void displayDList() {
  DNode* temp = headD;
  cout << "Doubly Linked List: ";
  while (temp) {
     cout << temp->data << " <-> ";
    temp = temp->next;
  cout << "NULL\n";
void deleteDNode(int value) {
  DNode* temp = headD;
  while (temp && temp->data != value) {
    temp = temp->next;
  }
  if (!temp) {
     cout << "Value not found!\n";
     return;
  }
  if (temp->prev) temp->prev->next = temp->next;
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else headD = temp->next;
if (temp->next) temp->next->prev = temp->prev;
delete temp;
cout << "Deleted value: " << value << endl;</pre>
```