Remove duplicate in LL in C++

```
#include <iostream>
#include <unordered set>
using namespace std;
// Node class for the linked list
class Node {
public:
  int data;
  Node* next;
  Node(int data) {
    this->data = data;
    this->next = nullptr;
};
// Function to print the linked list
void printList(Node* head) {
  Node* current = head;
  while (current != nullptr) {
    cout << current->data;
    if (current->next != nullptr) {
       cout << " -> ";
    } else {
       cout << " -> null";
    current = current->next;
  cout << endl;
// Function to remove duplicates from the linked list
void deleteDups(Node* head) {
  if (head == nullptr | | head->next == nullptr)
return:
  Node* current = head;
  while (current != nullptr) {
    Node* runner = current;
    while (runner->next != nullptr) {
       if (runner->next->data == current->data) {
         runner->next = runner->next->next;
       } else {
         runner = runner->next;
    current = current->next;
}
int main() {
  // Creating a linked list with 5 hard-coded nodes
  Node* head = new Node(1);
  head->next = new Node(2);
  head->next->next = new Node(2);
  head->next->next->next = new Node(3);
  head->next->next->next->next = new Node(4);
  head->next->next->next->next = new
Node(3):
  head->next->next->next->next->next = new
Node(5);
```

Creates a linked list: 1 -> 2 -> 2 -> 3 -> 4 -> 3 -> 5 -> null

Initial Linked List Creation

Node	Value	Next Points To
head	1	Node 2
head->next	2	Node 2
	2	Node 3
	3	Node 4
	4	Node 3
	3	Node 5
	5	nullptr

☐ Initial Output from printList(head)

Original Linked List: 1 -> 2 -> 3 -> 4 -> 3 -> 5 -> null

deleteDups(head) Dry Run

Loop Over current Node

current- >data	Duplicate(s) Found and Removed	Resulting List
1	None	$1 \rightarrow 2 \rightarrow 2 \rightarrow 3$ $\rightarrow 4 \rightarrow 3 \rightarrow 5$
2	Second 2 removed	$1 \rightarrow 2 \rightarrow 3 \rightarrow 4$ $\rightarrow 3 \rightarrow 5$
3	Second 3 removed	$ \begin{array}{c} 1 \to 2 \to 3 \to 4 \\ \to 5 \end{array} $
4	None	$1 \to 2 \to 3 \to 4$ $\to 5$
5	None	$1 \to 2 \to 3 \to 4$ $\to 5$

♥ Final Linked List After deleteDups(head)

Linked List after removing duplicates:

```
// Print the original linked list
cout << "Original Linked List:" << endl;
printList(head);

// Remove duplicates
deleteDups(head);

// Print the linked list after removing duplicates
cout << "Linked List after removing duplicates:" <<
endl;
printList(head);

return 0;
}

Original Linked List:

1 -> 2 -> 2 -> 3 -> 4 -> 5 -> null
Linked List after removing duplicates:
1 -> 2 -> 3 -> 4 -> 5 -> null
```