Remove Duplicates From Unsorted Linked List [CodeStudio](https://www.codingninjas.com/studio/problems/remove-duplicates-from-unsorted-linked-list_1069331)

Write a C++ program to remove duplicates from a unsorted singly linked list.

**Approach 1: Remove duplicates from a linked list using a brute force approach**

* Traverse the linked list with two nested loops.
* The outer loop iterates through each node.
* The inner loop checks for duplicates with subsequent nodes and removes them as necessary.

**Time Complexity: O(n^2), where n is the number of nodes in the linked list.**

**Space Complexity: O(1), as no additional data structures are used.**

**Approach 2: Remove duplicates from a linked list using a hash map (unordered\_map)**

* Traverse the linked list while using a hash map (unordered\_map) to keep track of visited nodes.
* If a node's value is already present in the hash map, it indicates a duplicate. Remove the duplicate node.
* Maintain a pointer to the previous node to update the next pointers after removing duplicates.

**Time Complexity: O(n), where n is the number of nodes in the linked list.**

**Space Complexity: O(n), as the hash map may store up to n nodes' values.**