

Program 47. Remove Duplicates from Sorted List Given the head of a sorted linked list, delete all duplicates such that each element appears only once. Return the linked list sorted as well. Example 1:
Input: head = [1, 1, 2] Output: [1, 2]

PROGRAM:

```
dclass ListNode:
    def __init__(self, val=0, next=None):
        self.val = val
        self.next = next

def deleteDuplicates(head):
    current = head
    while current and current.next:
        if current.val == current.next.val:
            current.next = current.next.next
        else:
            current = current.next
    return head

# Example usage
def printList(node):
    while node:
        print(node.val, end=" ")
        node = node.next
    print()

head = ListNode(1, ListNode(1, ListNode(2)))
result = deleteDuplicates(head)
printList(result) # Output: 1 2
```

Output::

```
"C:\Program Files\Python312\python.exe" "C:\Work Space\DAA COADS.PYTHON\program 47.py"
1 2

Process finished with exit code 0
```

Time complexity:

O(n)