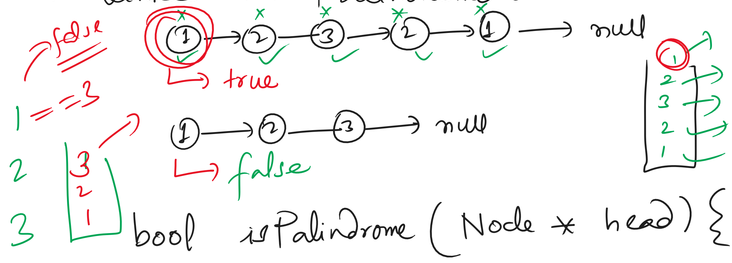
* Given two sorted Linked lists, write a C++ code to merge them together to form a new list which is a sorted list as a combination of the initial two lists: "Merge 2 Sorted Linked Lists"

L1 → 1 → 3 → 5 → null

L2 → 2 → 4 → 6 → null

O/p → 1 → 2 → 3 → 4 → 5 → 6 → null

* Linked List Palindrome :→



bool isPalindrome (Node * head) {

}

Josephus Problem :→

3.5 LPA	6 LPA	8 LPA	10 LPA	14 LPA
TCS	Accenture, Infosys	Tackle Box, DXC	Oracle	26 LPA → Mercedes, GoldmanSachs, Wells Fargo, Microsoft

Maersk / Amazon

1823 → Leet code

Find the winner of the Circular Game

n = 5, w = 3, K = 2

```
int Solve (int n, int k) { // zero based indexing
  // base case
   if (n == 1) return 0;
   return ( Solve (n-1, k) + k ) % n;
}
int findWinner (int n, int k) {
    int winner = Solve(n, k) + 1;
    return winner;
}
```

① * First Occurrence
② * Last Occurrence
③ * Total Occurrences

} of an element in a sorted array.

constraints :→ Time Complexity : log N.

{ 1, 2, 3, 3, 3, 3, 4, 5 } key = 3

(indices: 0 1 2 3 4 5 6 7)

fo = 2, lo = 5 to = lo − fo + 1

= 5 − 2 + 1 = ④.

feedback :→ bizofficetraining.com

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