

#15 Days of Coding Challenge

#Day 12

Intersection of two linked list

#Leetcode 160

Solution:

```
#include<iostream>
class Solution {
public:
    ListNode *getIntersectionNode(ListNode *headA, ListNode *headB) {
        unordered_map<ListNode*,int>mpp;
        for (auto p = headA ; p!=NULL ; p = p->next){
            mpp[p]=p->val;
        }
        for (auto p = headB ; p!=NULL ; p = p->next){
            if (mpp.find(p) !=mpp.end()) return p;
        }
        return NULL;
    }
};
```

Time Complexity: $O(m+n)$

Space Complexity: $O(1)$