

1.Find merge point of two lists.

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1BM22CS255

```
> #include <bits/stdc++.h>...

// Complete the findMergeNode function below.

/*
 * For your reference:
 *
 * SinglyLinkedListNode {
 *     int data;
 *     SinglyLinkedListNode* next;
 * };
 */
typedef SinglyLinkedListNode* node;
int findMergeNode(SinglyLinkedListNode* head1, SinglyLinkedListNode* head2) {

    for(node temp1 = head1; temp1!=NULL;temp1= temp1->next){
        for(node temp2 = head2;temp2!=NULL; temp2 = temp2->next){
            if(temp1==temp2){
                return temp1->data;
            }
        }
    }
    return -1;
}


> int main()...
```

Output:

```
Compiler Message
Success

Input (stdin)
1 1
2 1
3 3
4 1
5 2
6 3
7 1
8 1
```

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