

## Lab Program 7(B)

1)

**Program - LeetCode program :-**

**Code : -**

```
bool hasCycle(struct ListNode *head) {
    struct ListNode *slow = head;
    struct ListNode *fast = head;

    while (fast != NULL && fast->next != NULL) {
        slow = slow->next;
        fast = fast->next->next;

        if (slow == fast)
            return true;
    }

    return false;
}
```

**Output : -**

**Case 1 : -**

☒ Testcase | [> Test Result](#)

**Accepted** Runtime: 0 ms

☒ Case 1

☒ Case 2

☒ Case 3

Input

head =  
[3,2,0,-4]

pos =  
1

Output

true

Expected

true

## Case 2 :-

☒ Testcase | [> Test Result](#)

**Accepted** Runtime: 0 ms

☒ Case 1   ☒ **Case 2**   ☒ Case 3

Input

head =  
[1,2]

pos =  
0

Output

true

Expected

true

## Case 3 :-

☒ Testcase | [> Test Result](#)

**Accepted** Runtime: 0 ms

☒ Case 1   ☒ Case 2   ☒ **Case 3**

Input

head =  
[1]

pos =  
-1

Output

false

Expected

false

