```
class LinkedListNode{
  constructor(value){
     this.value = value;
     this.next = null;
  }
}
// let head = new LinkedListNode(5);
// head.next = new LinkedListNode(6);
// head.next.next = new LinkedListNode(6);
//convert this array to Linkelist
const func = () => {
  let arr = [2,4,5];
  let temp = null;
  for(let i=0;i<arr.length;i++){</pre>
     if(i ==0)
       {
          temp = new LinkedListNode(arr[i]);
     else{
       temp.next = new LinkedListNode(arr[i]);
       temp = temp.next;
     console.log(temp);
  }
}
console.log(func());
//https://leetcode.com/problems/reverse-linked-list/
const reverseLL = (head) => {
  //base case
  if(head == null|| head.next == null)
```

```
return head;
  //general case
  let reversedLLHead = reverse(head.next);
  head.next.next = head;
  head.next = null;
  return reversedLLHead
}
https://leetcode.com/problems/middle-of-the-linked-list/description/
var middleNode = function(head) {
   let slow = head;
   let fast = head;
   while(fast != null && fast.next != null) {
           slow = slow.next;
           fast = fast.next.next;
   }
  return slow;
};
https://leetcode.com/problems/merge-two-sorted-lists/description/
var mergeTwoLists = function(list1, list2) {
   let newHead = new ListNode(0);
   let temp = newHead;
   while(list1 != null && list2 != null) {
       if(list1.val < list2.val)</pre>
                temp.next = list1;
```

```
list1 = list1.next;
           }
       else{
          temp.next = list2;
          list2 = list2.next;
       }
      temp = temp.next;
   }
  while(list1 != null) {
      temp.next = list1;
      list1 = list1.next;
      temp = temp.next;
   }
     while(list2 != null){
      temp.next = list2;
      list2 = list2.next;
      temp = temp.next;
  return newHead.next;
//for very large dataset
  //TC: o(n+m) = linear = O(n)
  //SC: o(n+m)
};
Home Work
//find loop in linkedlist
```