## **Linked List**

By: guptaji\_coding\_vale

Sr. No.	Topic	Link	Comments
1.	Linked List tutorial	<u>Link</u>	
2.	Merge two sorted lists	<u>Link</u>	
3.	Intersection of two lists	<u>Link</u>	Try in constant space
4.	Nth node from last	<u>Link</u>	Try in one iteration (might need to see solution)
5.	Delete without head pointer	<u>Link</u>	The solution is kinda out of the box
6.	Sort list of 0,1,2	<u>Link</u>	
7.	Add two numbers	<u>Link</u>	
8.	Rotate List	<u>Link</u>	
9.	Detect loop in list	<u>Link</u>	Try in O(n) time and O(1) space Will need to see the solution using two pointer or Floyd-cycle algorithm
10.	Remove loop in list	<u>Link</u>	Extension of above problem might need to see the solution
11.	Swap nodes in pairs	<u>Link</u>	
12.	Check if list is palindrome	<u>Link</u>	Try in O(1) space (hint: u can modify the list)
13.	Odd even list	<u>Link</u>	
14.	Swap nodes in a list	<u>Link</u>	
15.	Remove duplicates from sorted list 2	<u>Link</u>	
16.	Copy list with random pointer	<u>Link</u>	very important

17.	LRU Cache		very important question
18.	Flatten a linked list		very important question
19.	Reverse nodes in k-group	<u>Link</u>	