

# Data Structure & Algorithms

Nilesh Ghule

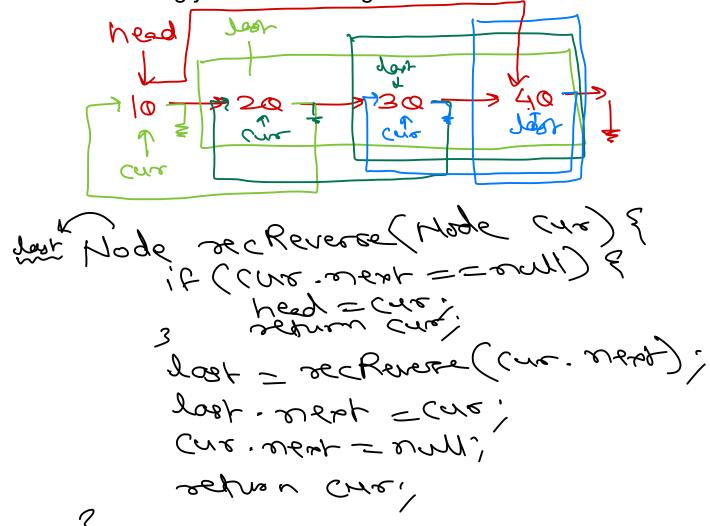


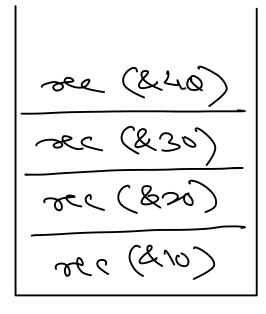
Reverse singly linked list.

voldhead = head; ~ head = nell; while (oldhed!=null) { = temp=oldhead; = oldhead=oldhead.nest; = head = temb.



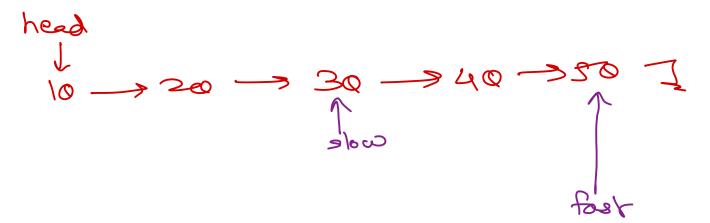
Reverse singly linked list using recursion.







Find middle of singly linear linked list.

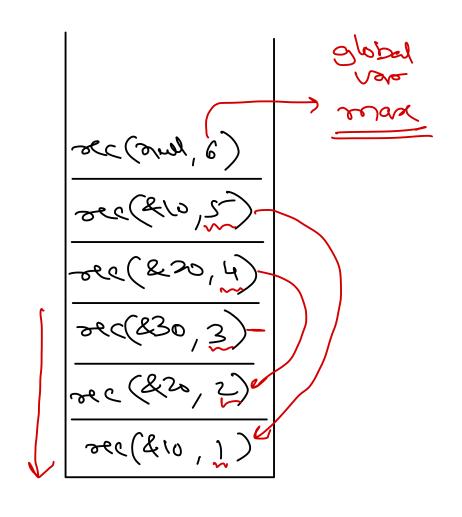




global. Find middle of singly linear linked list using single pointer. head ec(& ₹8) 7 occ (&63) 6 int section mid (Hode one 1 jest court) { it ( come = = coner.) 3 mid= roe c/= rod mid (cur. next, count +1); if (coner == 2 secon[2) sec (800) 2 voild = cur. data" rec (210)1 Stack

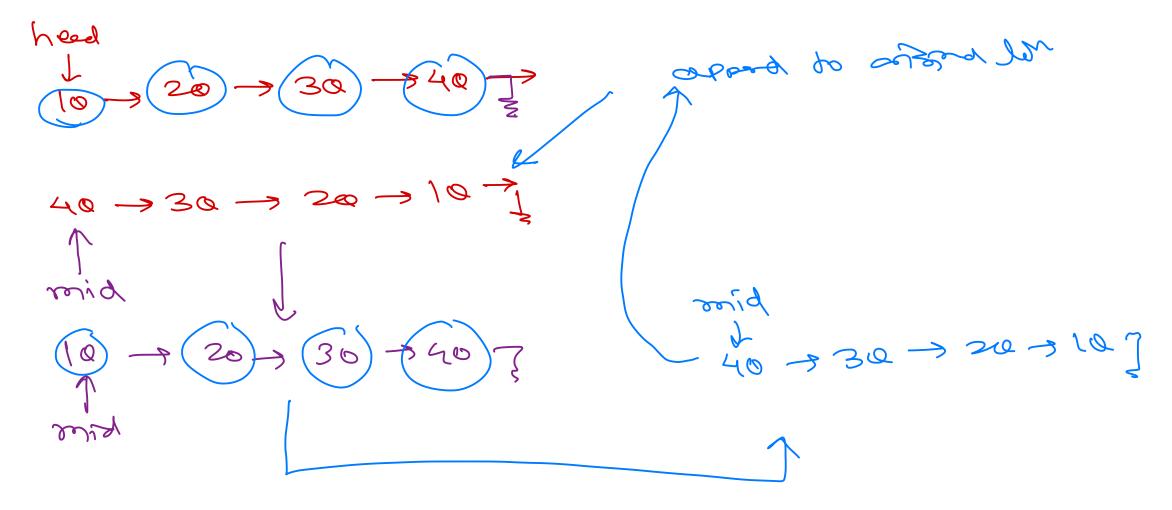


Check if linked list is palindrome.



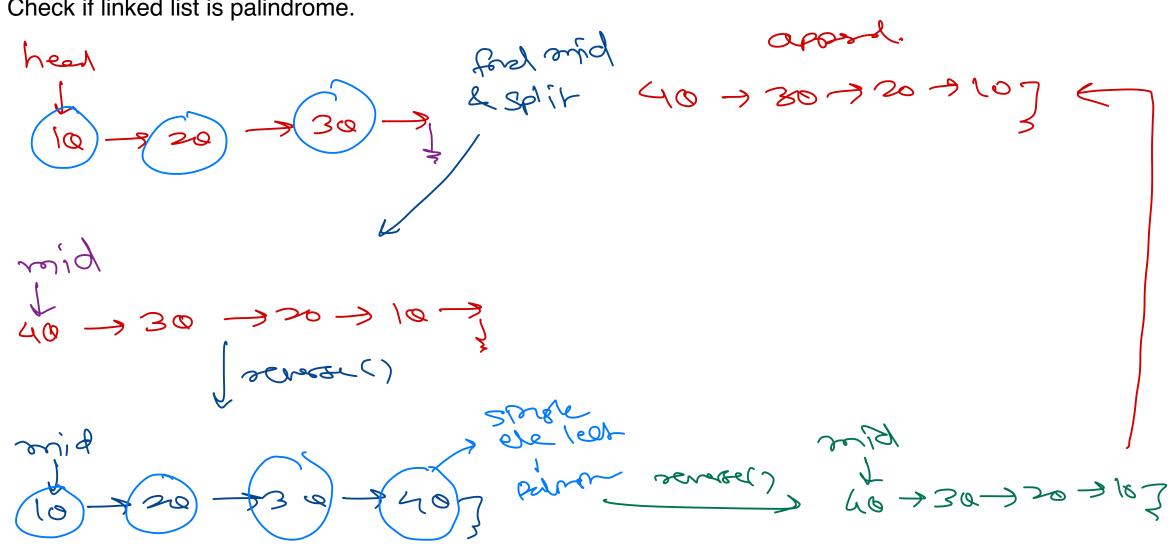


• Check if linked list is palindrome.

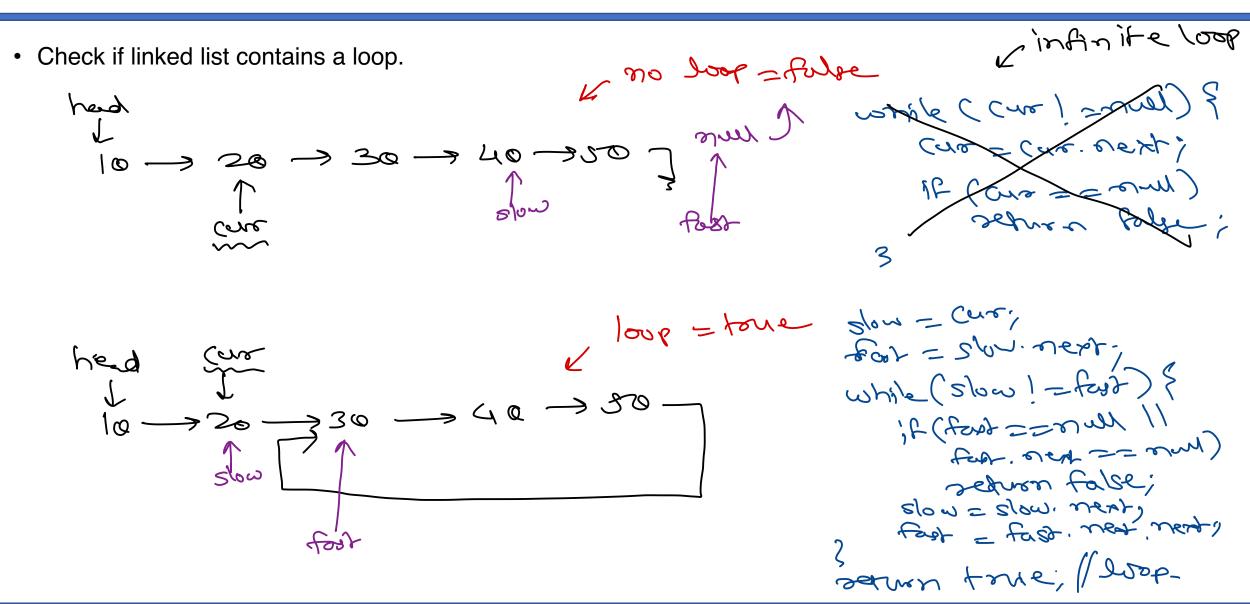




Check if linked list is palindrome.











## Thank you!

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