Day - 5	1000
1> Reverse a Linkedlist: - Eg: (1)(2) -(3) -(3) -(3) - mull	C
-> make dummy node 101 (6-) (3-) (3-) (2)-(1)	C
newhead newhead newhead newhead newhead	6
	C
mul (1 X 2 X 3 X 4 X 5 > mull &	-
# code At the you at head = = null	4
Eistnode * reverse (listnode * head) { At the, stop at head== null and seturn newhead.	-
Listnode newhead = null;	-
while (head; = null) {	
Ustrode * next = head - next; - sured 3ptr technique.	
head -> next = newhead;	
hewhead = head; head = next;	-
(°	6
return newhead;	6

Middle of the linked lists: -If two middle node, return the second eg: 1) - 2) - 3 - 49 - 5 retum 3 & hence of p: - 3-39 - 6 \$-0-0-3-\$-05-00 schuring in hence off: 45-56 Desute force: - traverse in the linkedlist and find total nood noders, then again however till (1 +1) and return that node. Sc:-0(1) Doptimal Approach: -Doing in single traversal, (Portolse Method). move slow by 1 (5) → null. step and fastly 2 Stop if (fast == null or fast > next == null) #code tistNode middle node (tistnode head) 2. Ust Node fort = head, + slow=head; while (fast = null and fast + next = null) & fast = fast + next + next; slow = slow-next; return Now;





