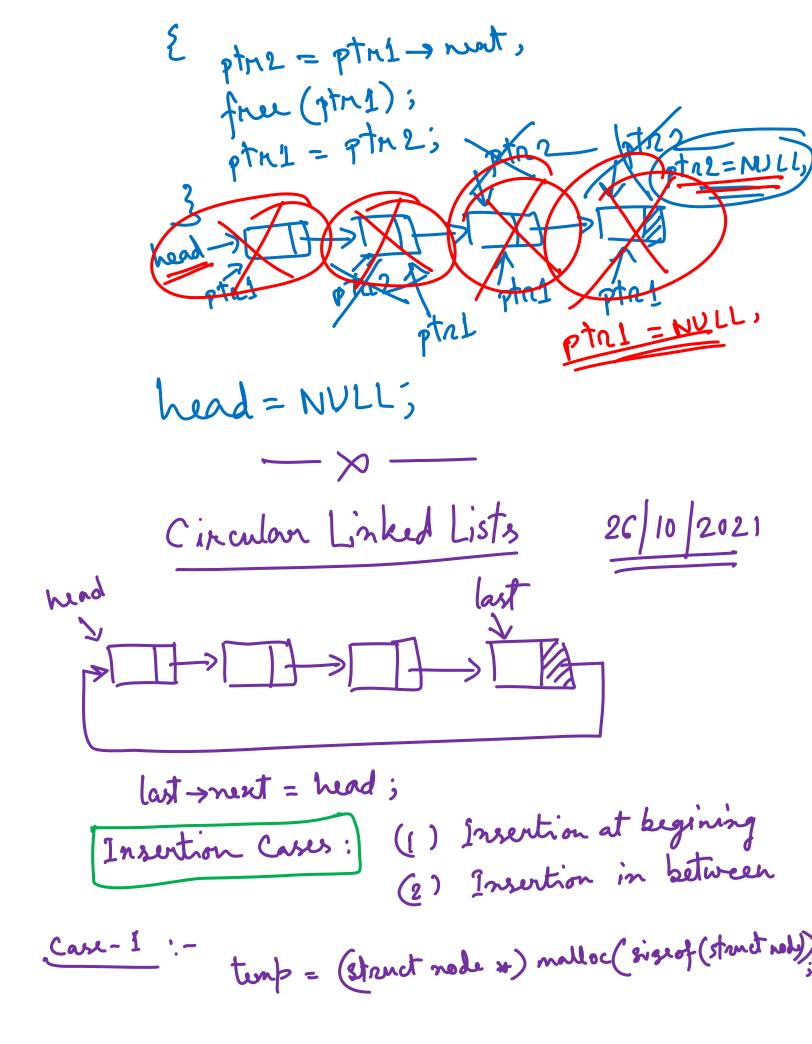
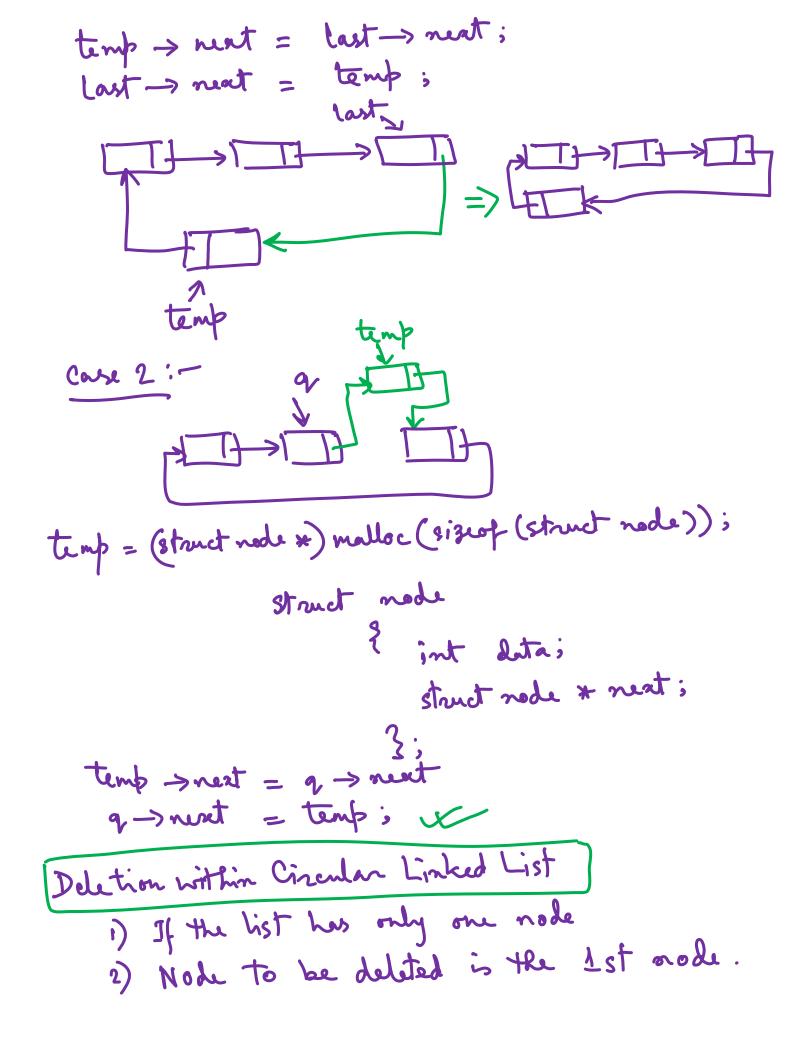


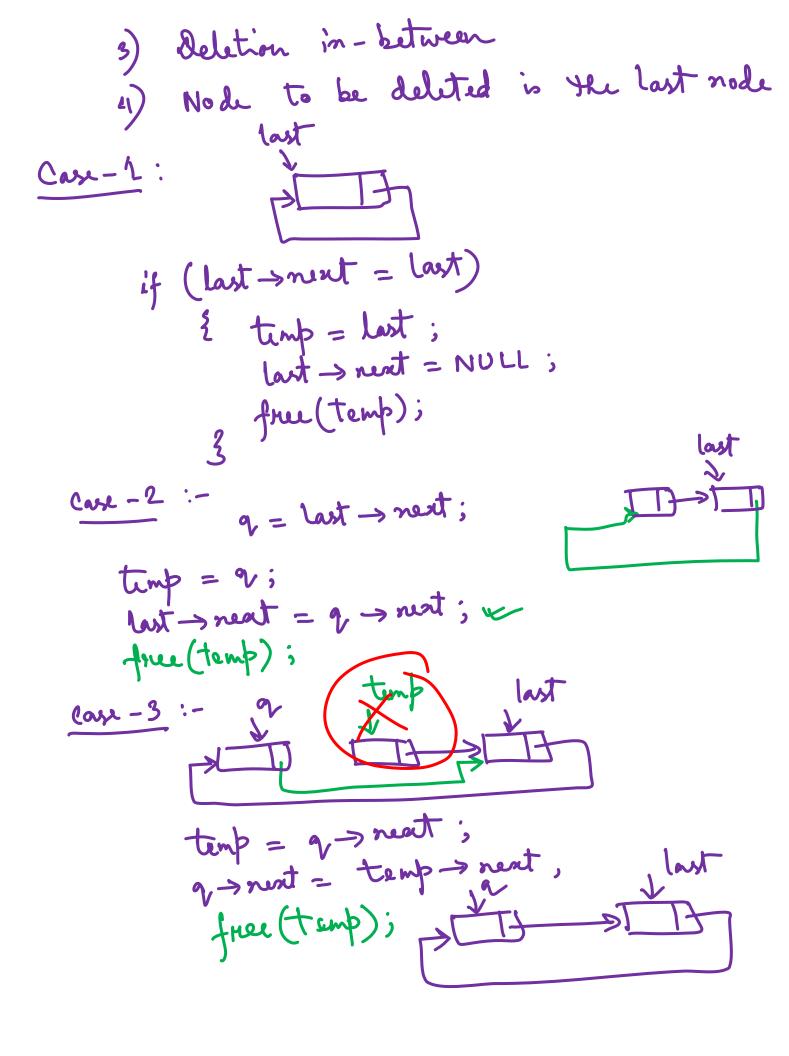
(a) beginnin position (b) intermediate (c) at the end a hingle-linked list singly linked list. uni-directional hinked list. Deletion of a node from a linked list 07/10/2021 - Deletion of the 1st element/ starting made whead struct person temp = head, If frees the dynamically allocated menory woode pointed by temp head = head > next; free (temp); head

Care 2: - Deletion of the last node/element > []> []> [] etnut person & current 1, struct person * current2; current = head; current 2 = current 1 -> nest; while (convert 2 -> nent!= NULL) current 1 = current 2; current 2 = current 1 -> ment; head 3 skruts Currents anter anyoner monter ouvrent 1 - neut = NULL; curut 2 curut 2 free (corrent2); corrent1

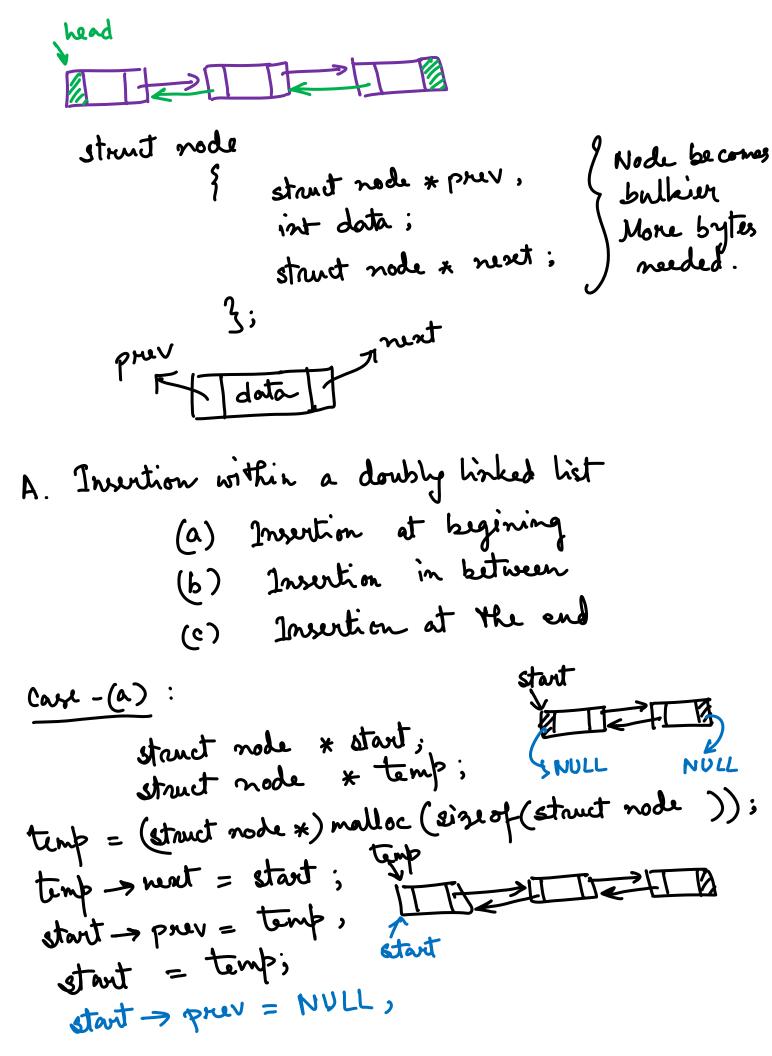
Case 3:- Deletion of an intermediate node/element from a linked cured1 = head; current = current ; current = ment = current 2 -> next, Ke free (current 2), 1 turns Case 4: - Deletion of the whole linkedlist stand person * ptr1; struct person * pTn2; ptn1 = head, while (Ptr] !=NULL)



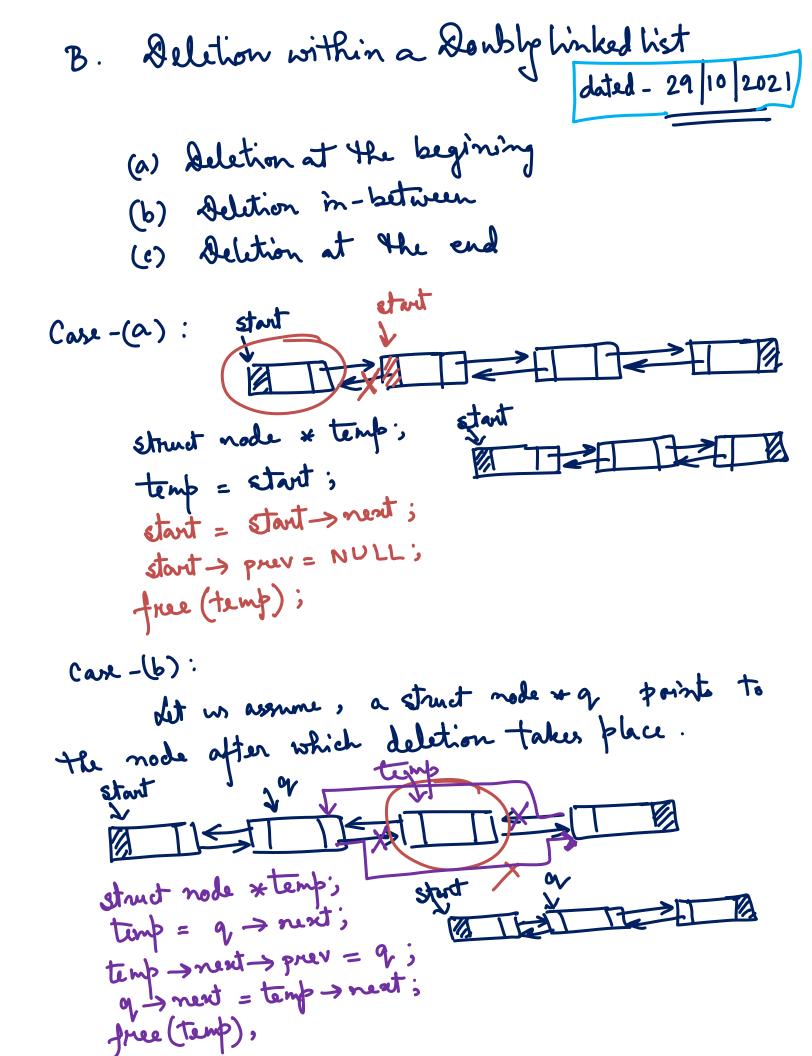


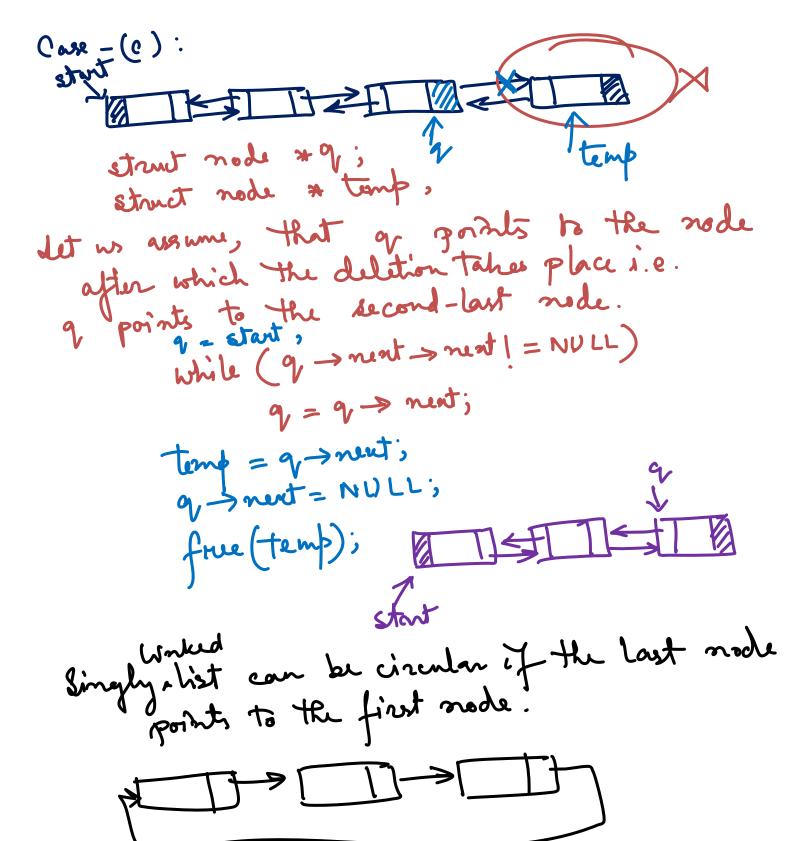


let us consider q prints to the previous nade of the last node of ment = last = next; last = 9; stit 28/10/2021 Donble Linked List "Singly linked list Co Single direction Cizcular Linked List (also a type of Singly Linked list) Doubly Linked list within a linked list



(luxe - (b): det there be a pointer q'after which a new node shall be imented then, struct node * temp, temp = (struct node *) malloc (struct node)); of ment -> prev = temps tent > next = q > next; temp -> prev = 9; q-inent = temp; it is a sub-cure of if (9-) next == NULL) temp > next = q > next, temp > prev = 9, 9>nent = temp;





Similarly, Donbhy Linked list can also be converted into a Circular-Bonshy Linked List europeted into a Circular-Bonshy Linked List by making the last rode's next field holding the address of the first rode and the

