mmehadi @jacobs-unnersity. de Musab Mehadi 8.2) A) Reversing List (head) Node temp 1 = head Nodes temp3 - NULL while (temps ! = NULL) (Saving to next rode) temp2 = temps. noxt temps next = temp3 (saving the previous node) temps = temps Jemp = Lemp 2 zehrn temp3, The above pseudocode is in-situ as it doesn't involve creation of extra memory space (no creation of new arrays - The time complexity is O(n) as we can see in the while loop; it runs a times.

MULL 8.2) B) inorder (node xP, node x head) of there is no root <- . If (P=NULL) relorn; used to store previous volves t - - - static node * temp = nucl, (--- Inorder (P(left), hoad) rucursively calling if (temp = NULL) hood = P else P(lext) = temp P(vight) = P temp = P newsively calling for to right (- inorder (P(right), head) side ogar, > Fritial position & P @ Our function is iterative - It first goes to the left most and of the tree (node 4) and goes back up yorking them on way.