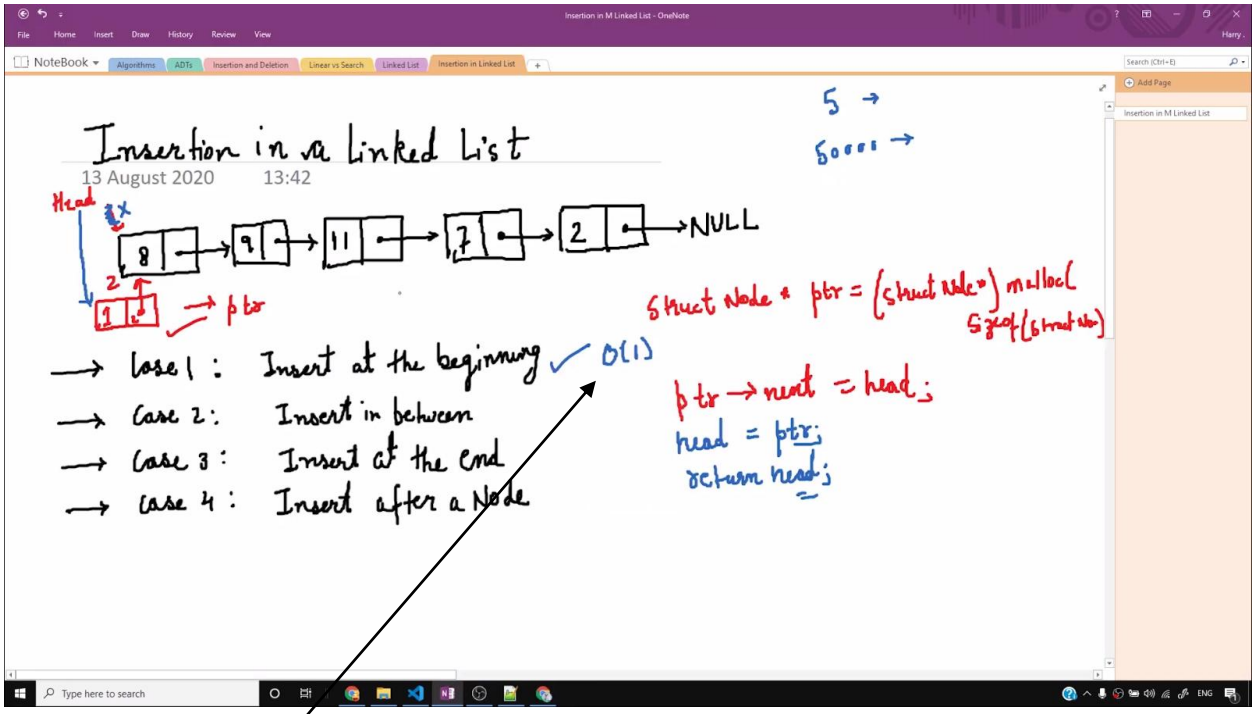
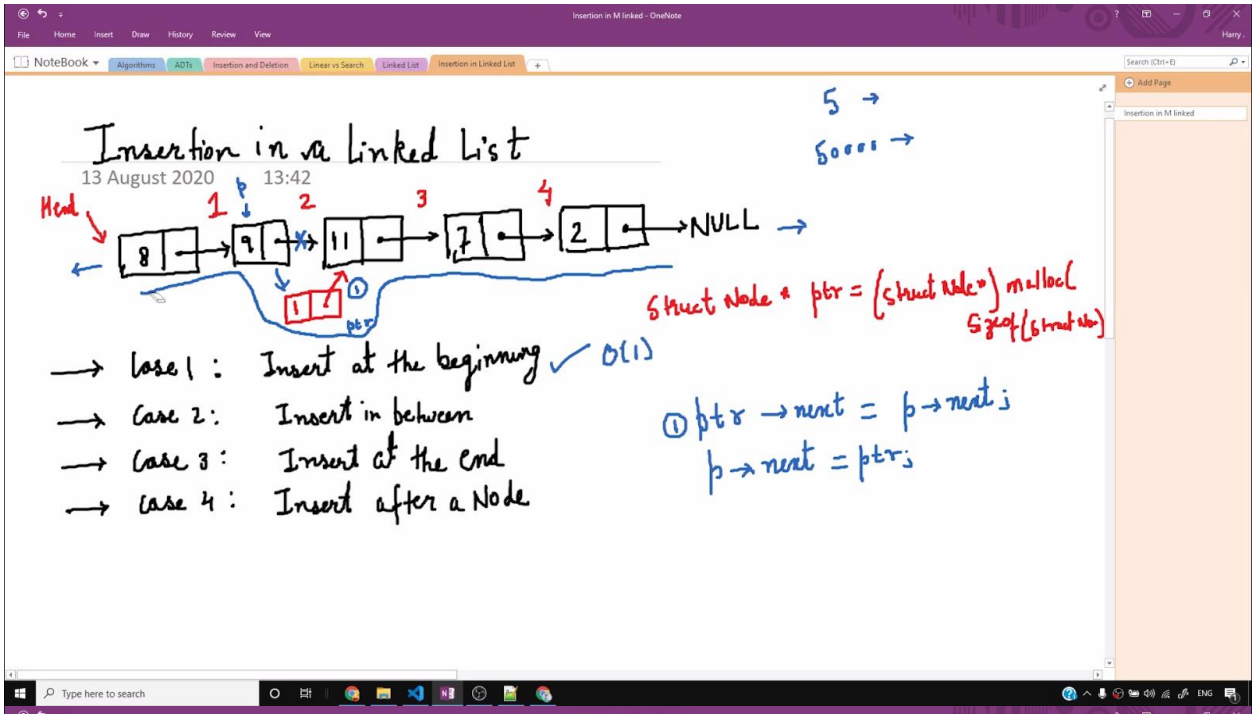
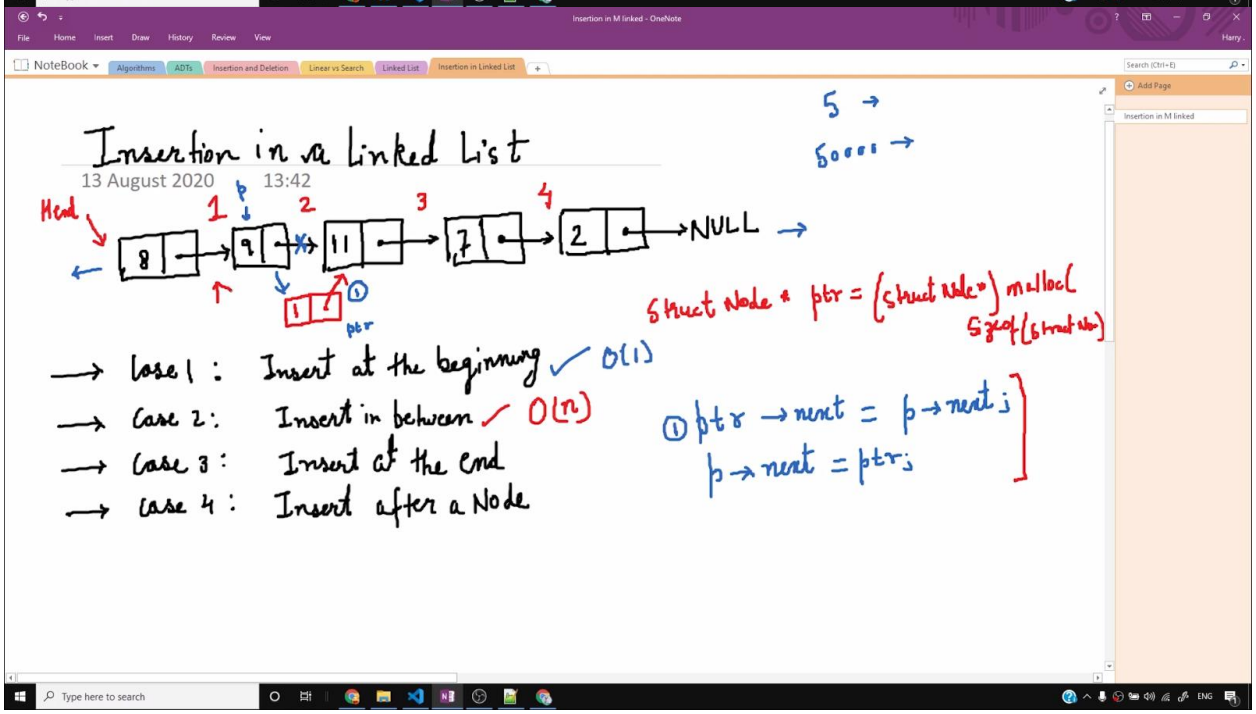
Case 1:



Time complexity = O(1)

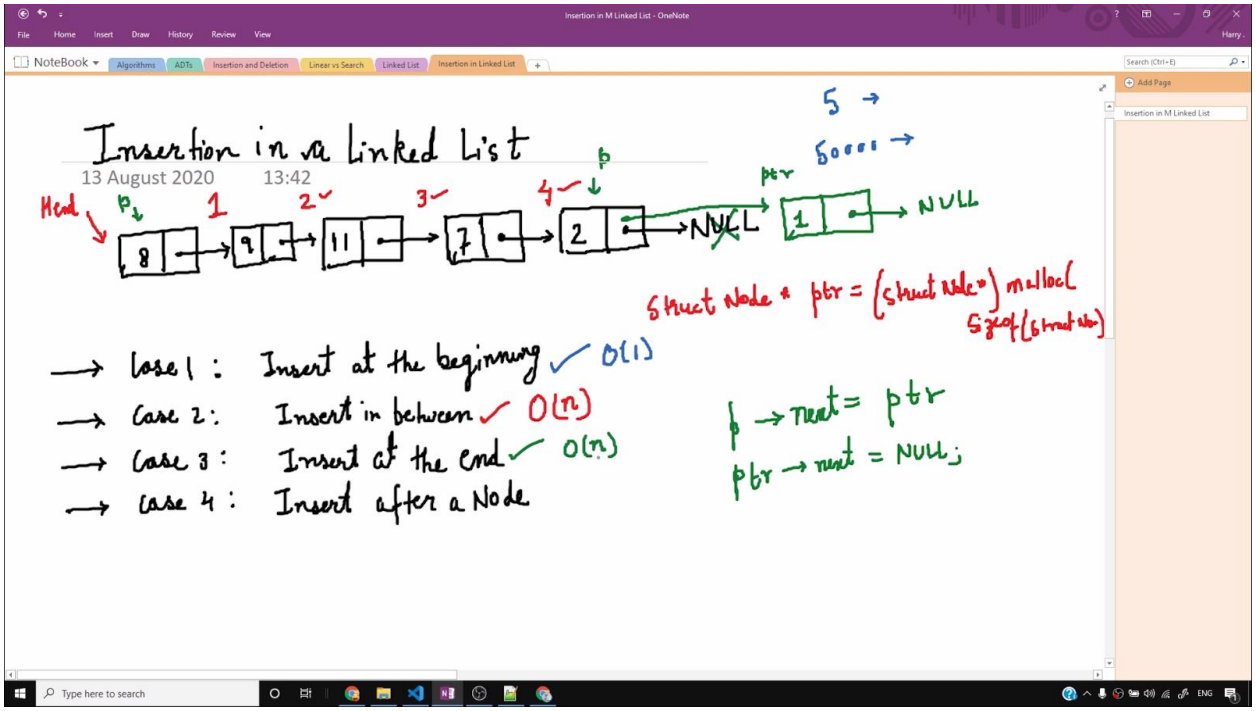
Case 2:





Time Complexity = O(n) → for the case when we have to insert the element at position 4 b/c we have to traverse through all the elements via pointer to get there i.e. all n elements

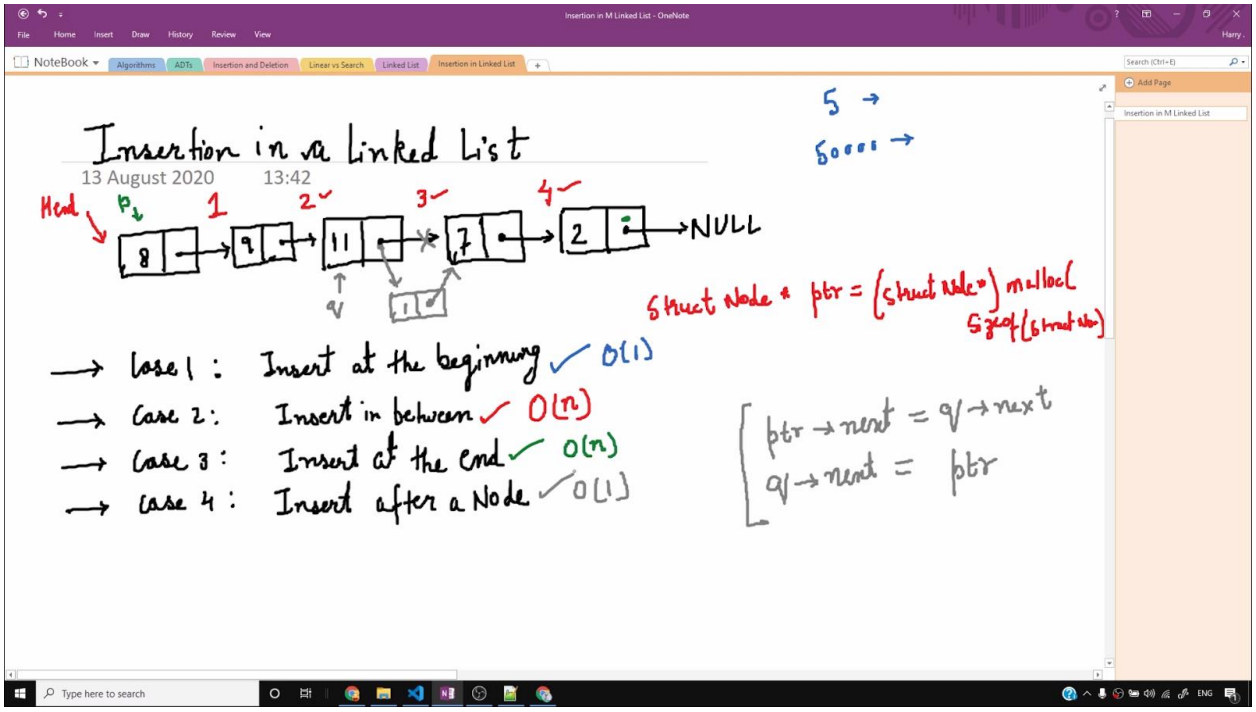
Case 3:



Time Complexity = O(n) → reason same as in case 2

Case 4:

Address of **q** is given



Time Complexity = O(1) → since address of ‘q’ is given