1. It would take O(n^2) time since there are totally n append operations, and each append operation requires creating a new list and moving every element that's already in the list to the new list. There are already n elements in the list, so it will totally again take n time to move to the newly created list.
2. It would take O(n) time since there are totally n append operations, and only the first operation would require the creation of a new list and then moving n elements into the new list, but every append operation after would just take O(1) time since it just sets a certain position to the given number.