## Reverse Noder in 12-9199

This problem is an extension of nevering a linked list, but done in chunks of rise k; the approach is iterative group revenal

Key Hea: Toverse the list inchumbs of k

- · For each churk:
  - · Check if there are at least k nides left; if not, leave them as is.
  - · Peverse the k nodes.
  - \* Connect the reversed chunk to the pserious part of the list.
- · Use a clemmy usole to simplify edge coses (like severing the first group)

Items 1. Count modes in the list to know when to stop.

- 2. Exects a dummy node painting to head.
- 3. Un prev printer to mark the node before the current group. 4. While there are at least K noder left:
  - Mark start = Mer must (first nock of group) and end = start next.
  - · Perene modes between stort and end for k-1 iterations:
  - · Move end after prev (standard in-place reversel trick) 5. Peteur dummy-mexts

Trine Emplexity: (-O(4) - each node of visited and reversed once -O(4) extre space.