





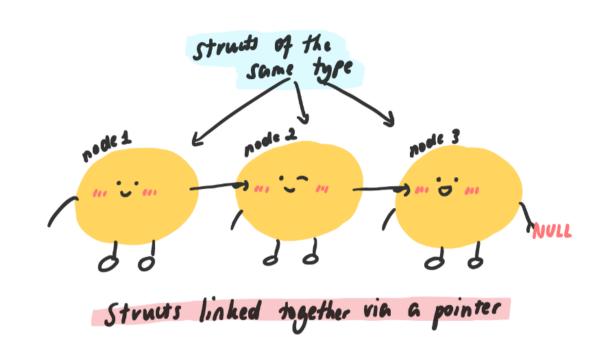


LISTS





CONCEPT OF LINKED LISTS



struct node *head

int data

Struct node *next

int data

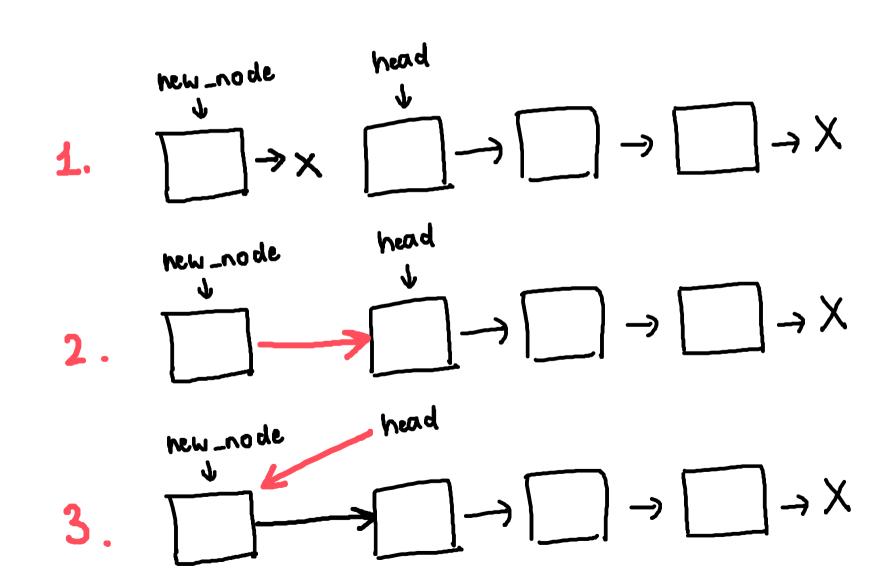
Struct node *next-

int data

Struct node *next-

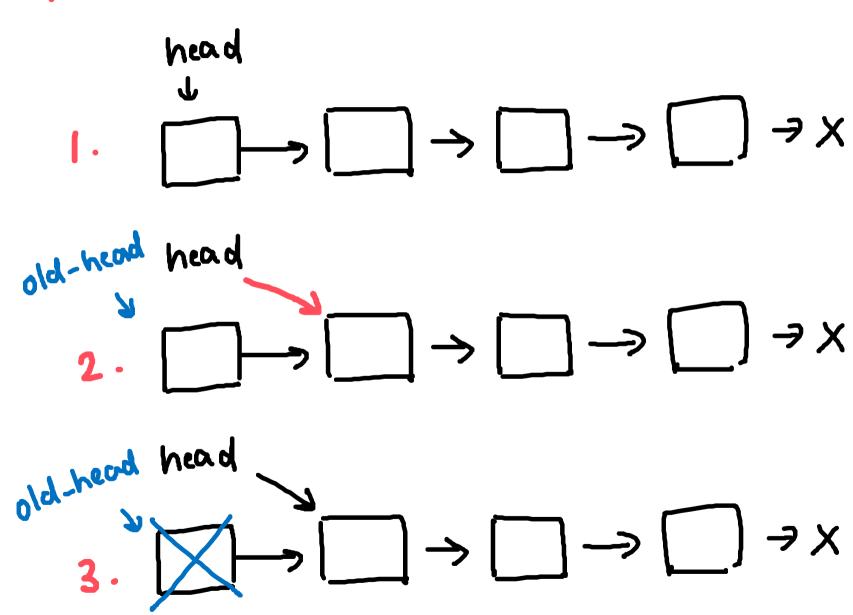
NULL

Inserting at head

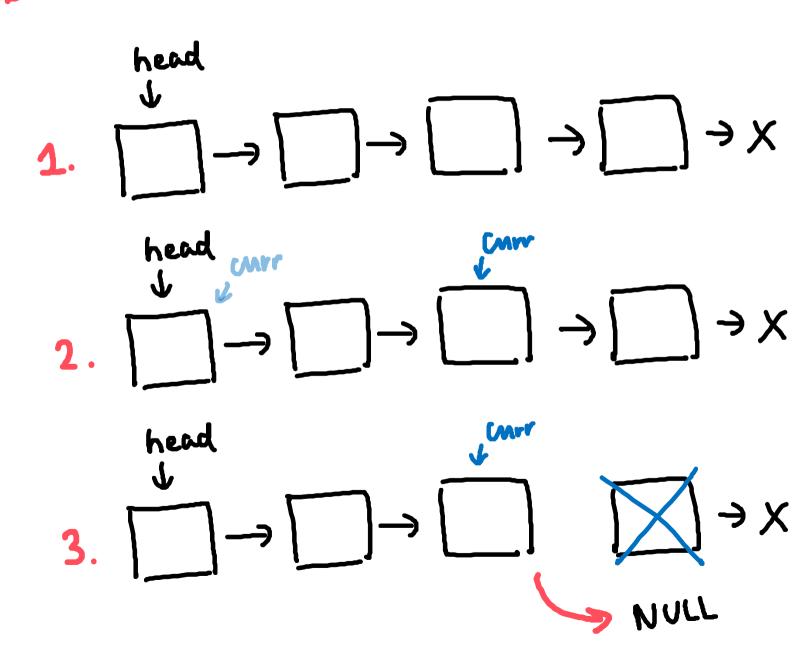


Inserting at tail

Delete at head



Delete at tail



Merge two sorted lists

$$\begin{array}{c} \text{list-A} \\ \hline 1 \rightarrow 2 \rightarrow 3 \rightarrow \times \\ \uparrow \\ \text{CMYY-A} \end{array}$$

$$\begin{array}{c} \text{list-B} \\ \hline 1 \rightarrow 4 \rightarrow 5 \rightarrow 6 \rightarrow \times \\ \uparrow \\ \text{CMYY-B} \end{array}$$

- * Compare the values at each iteration of the while loop and add whichever value is smaller.
- * Only move the curr pointer of a list along if its value was added .

 Then add the rest of the leftover list.