

DSA through C++

Circular linked list



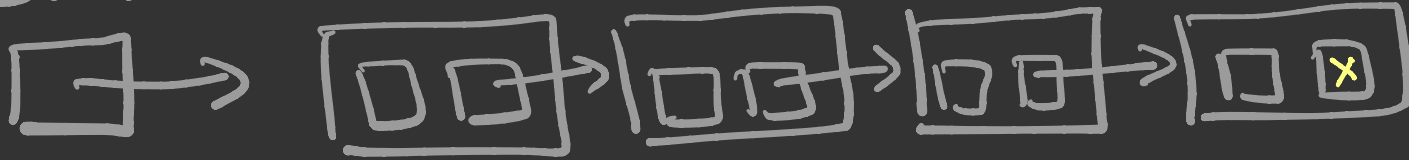
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Agenda

- ① Not utilizing next pointer of last node in SLL
- ② Circular linked list
- ③ Comparison of CLL with SLL
- ④ Small change big difference
- ⑤ Insertion and Deletion in CLL

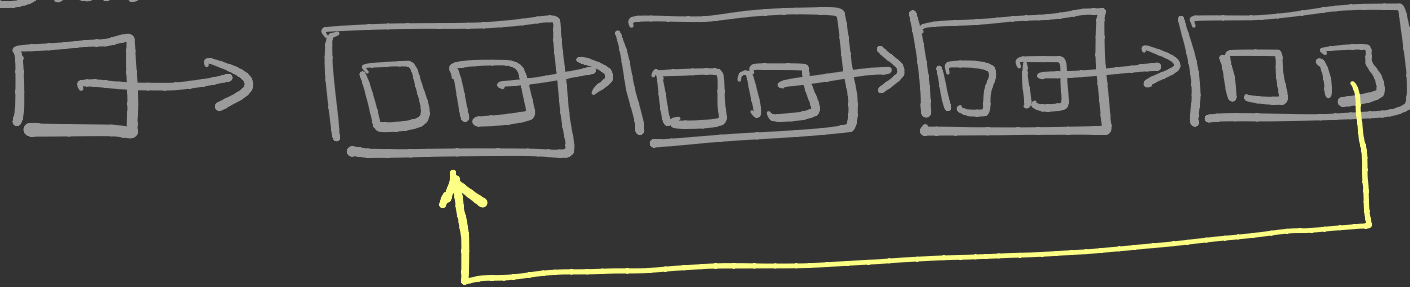
Not utilizing next pointer of last node in SLL

start



Solution

start

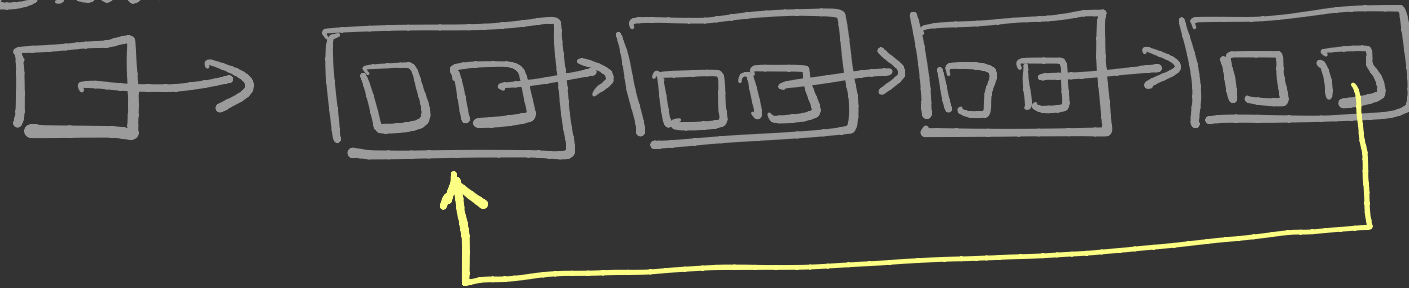


t

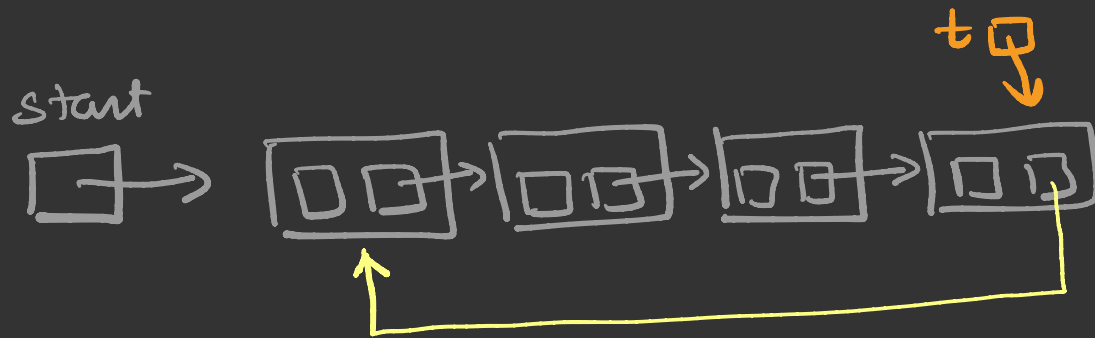
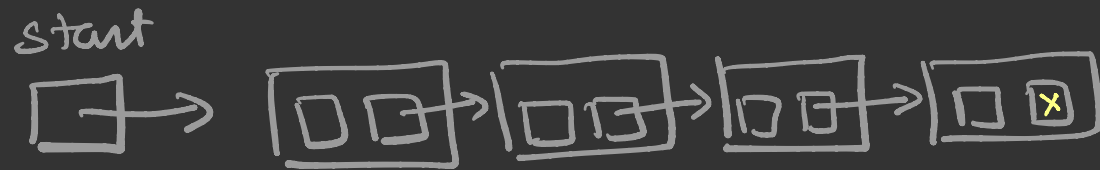
if ($t \rightarrow \text{next} == \text{start}$)
t is pointing
to last node

Circular linked list

start



Comparison of CLL with SLL



Insertion

① First

No Traversing

② Last

Deletion

① First

No traversing

② Last

Insertion

① First

Traversing

② Last

Traversing

Deletion

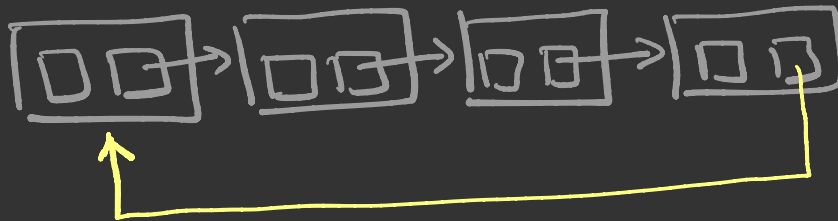
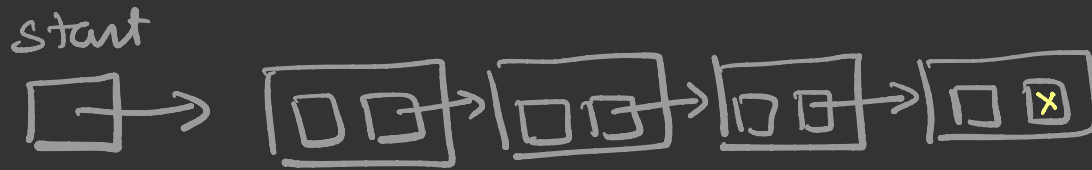
① First

Traversing

② Last

Traversing

Small Change, Big Difference



Insertion

- ① First no traversing
- ② Last Traversing

Deletion

- ① First no traversing
- ② Last Traversing

Insertion

- ① First no traversing
- ② Last no traversing

Deletion

- ① First no traversing
- ② Last traversing

Insertion in CLL

Deletion in CLL