Lecture # 7

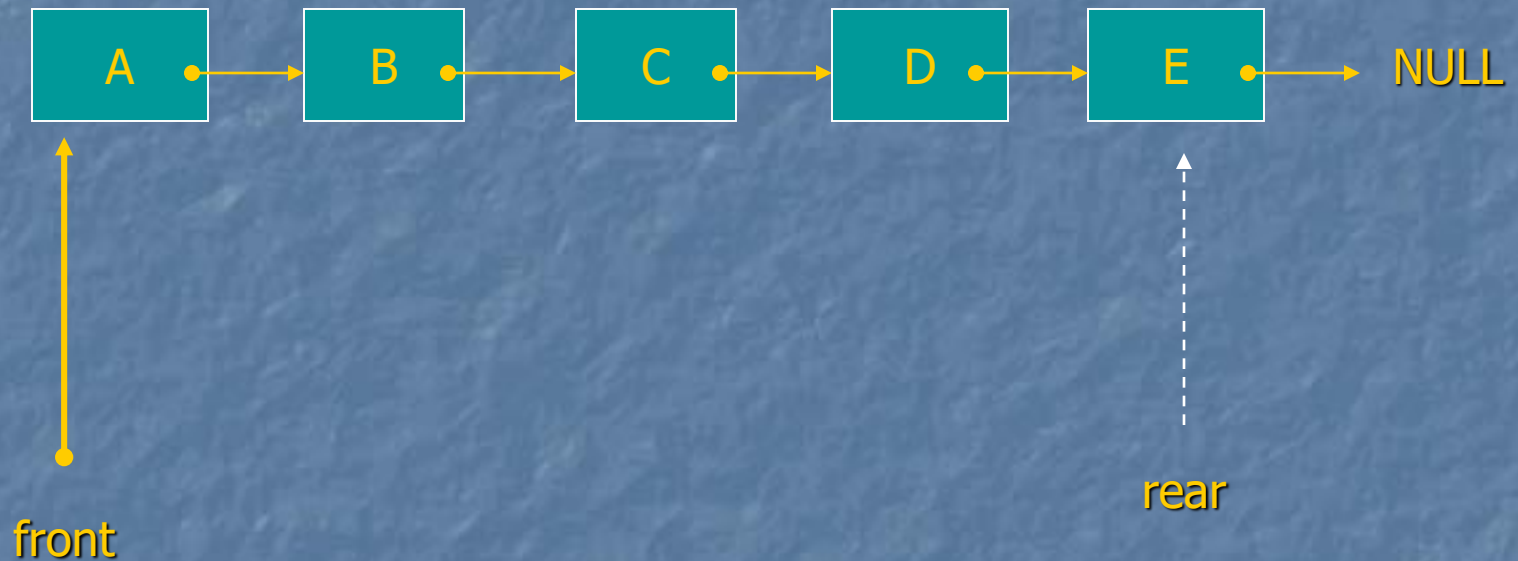# Uses of Stack

Problem:

Parenthesis Matching

Queue

- **Figure showing Queue…..**

- In a queue, the element deleted from the list is the one which inserted first.

- Queue is also referred as First-in First-out i.e FIFO.

- The example of queue is the queue of people standing for submitting their bills in the bank. The one who joins the queue first also leaves the queue first . Similarly who joins the queue at last, leaves the queue at last.

- If an empty queue is deleted, we say queue underflows and

- If rear of the queue exceeds n, the queue overflows.

- Insertion to queue is called Enqueue and deletion form queue is called Dequeue.

- Implementation on board - Discussion

Thank You......