#### DSA through C++

#### Doubly linked list



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# Agenda

- (1) Shortcomings of singly linked list
- 2 Doubly linked list
- 3 node
- (4) insertim
- (S) deletion

# Short comings of Singly linked list

Start
DE DE NOO

In SLL, you can move only in the forward direction

### Doubly linked list

Start

[ST ] [SI GHA GI GHA GI

### node

Stunt





struct node

2

node \* prev;

int item;

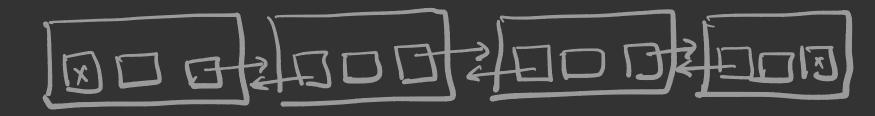
node \* next;



#### Insertion

Start





#### Insertion

- (i) At First
- (2) At Loss
- 3) Afteranode

#### Insert as a first node

Stant

D



#### Insert at last

Stunt





Insert Aftera node tem? Start

### Deletim

- 1 Delete First Mode
- 2) Delete Lant Node
- 3 Delete specific nock

