

# DSA through C++

## Doubly\_linked\_list



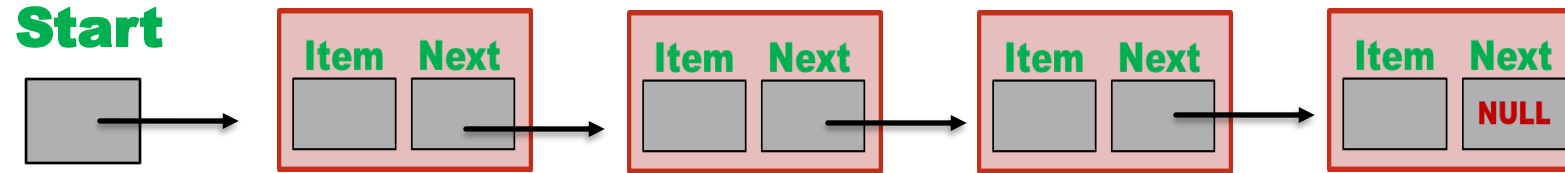
**Mohammad Tasin (Tasin Coder)**

# Agenda

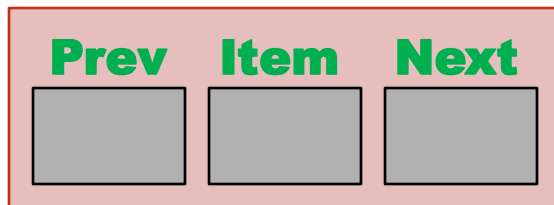
- **Shortcomings of singly linked list**
- **Doubly linked list**
- **Node**
- **Insertion**
- **Deletion**

# Shortcomings of singly linked list

कमी

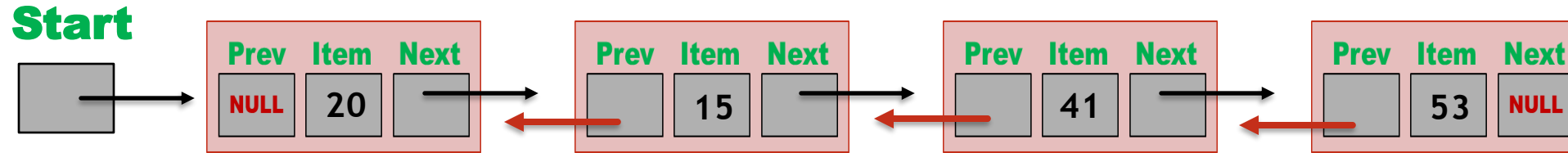


- In SLL , you can move only in the forward direction



# Doubly linked list

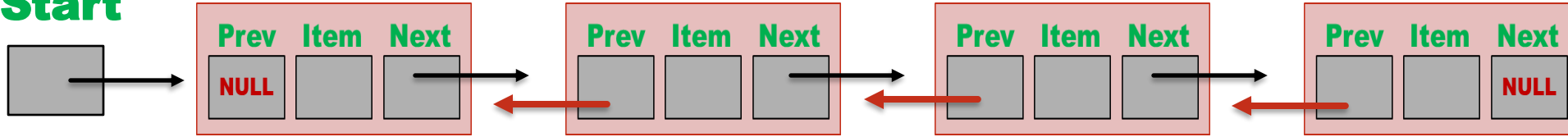
- Doubly linked list is a liner data structure.



- In DLL , you can move in the forward direction and backword direction.

# Node

Start



```
struct Node
```

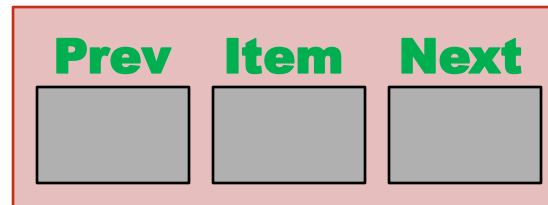
```
{
```

```
    Node* Prev;
```

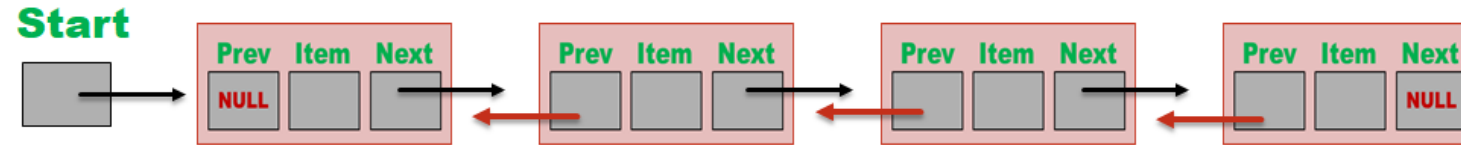
```
    int Item;
```

```
    Node* Next;
```

```
};
```



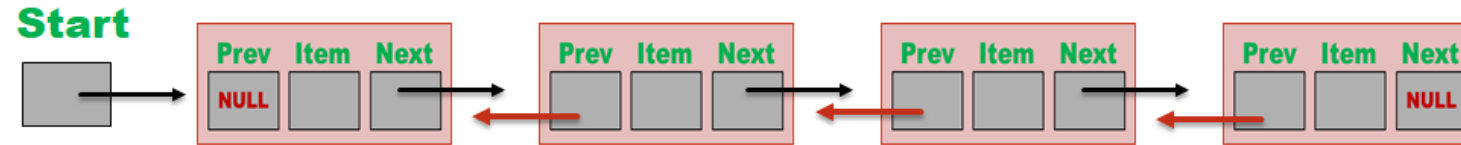
# Insertion



## Insertion

- **At first**
- **At Last**
- **After a node**

# Deletion



- **Delete first node**
- **Delete Last Node**
- **Delete specific node**