

DSA through C++

Circular_Doubly_Linked_List



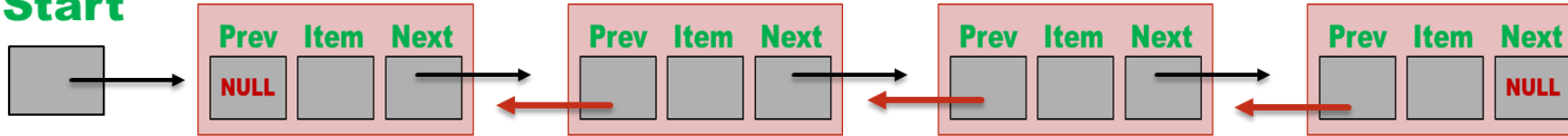
Mohammad Tasin (Tasin Coder)

Agenda

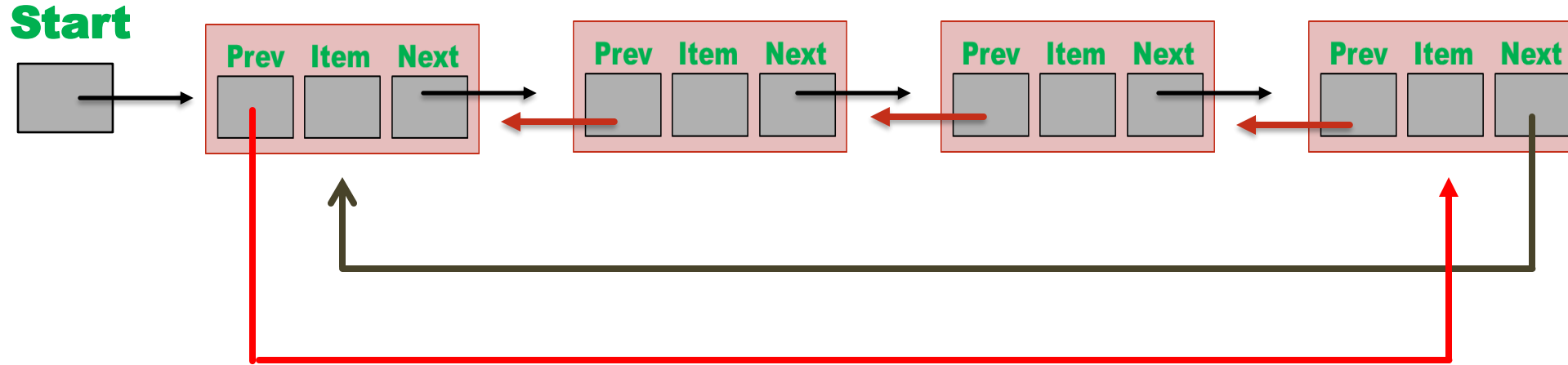
- **Not utilizing Next and Prev pointers in DLL**
- **Circular doubly linked list**
- **Node**
- **Insertion and deletion**

Not utilizing Next and Prev pointers in DLL

Start

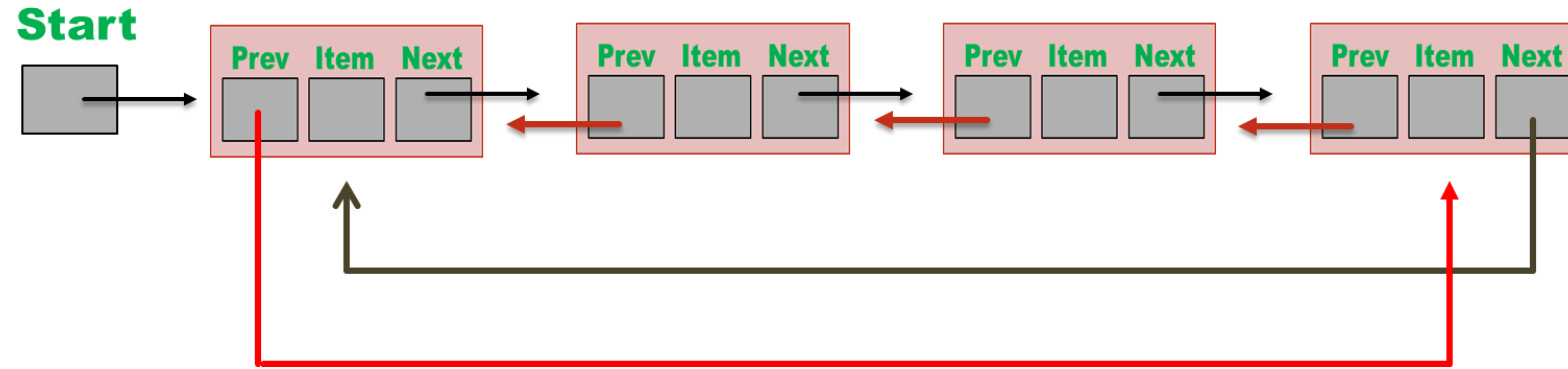


Circular doubly linked list

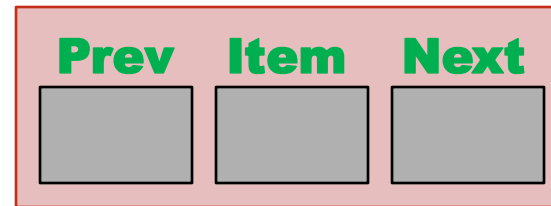


- In CDLL , you can move in the forward direction and backward direction.

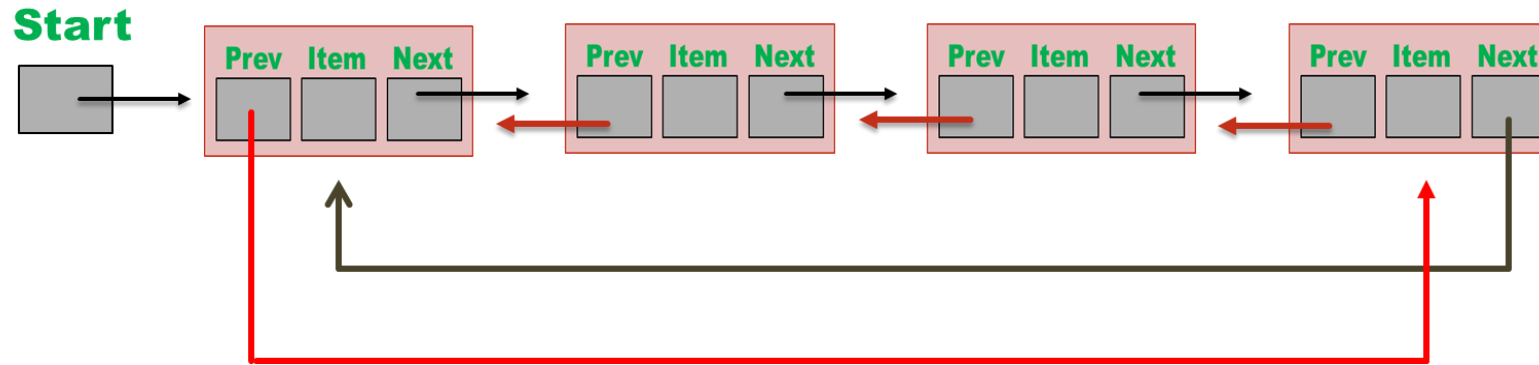
Node



```
struct Node
{
    Node* Prev;
    int Item;
    Node* Next;
};
```



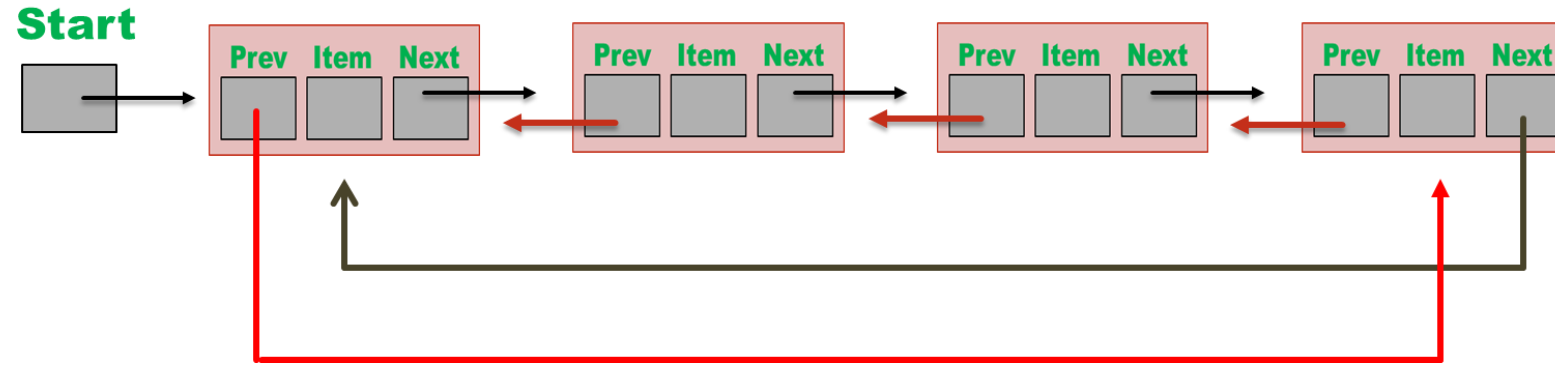
Insertion



Insertion

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

Deletion



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