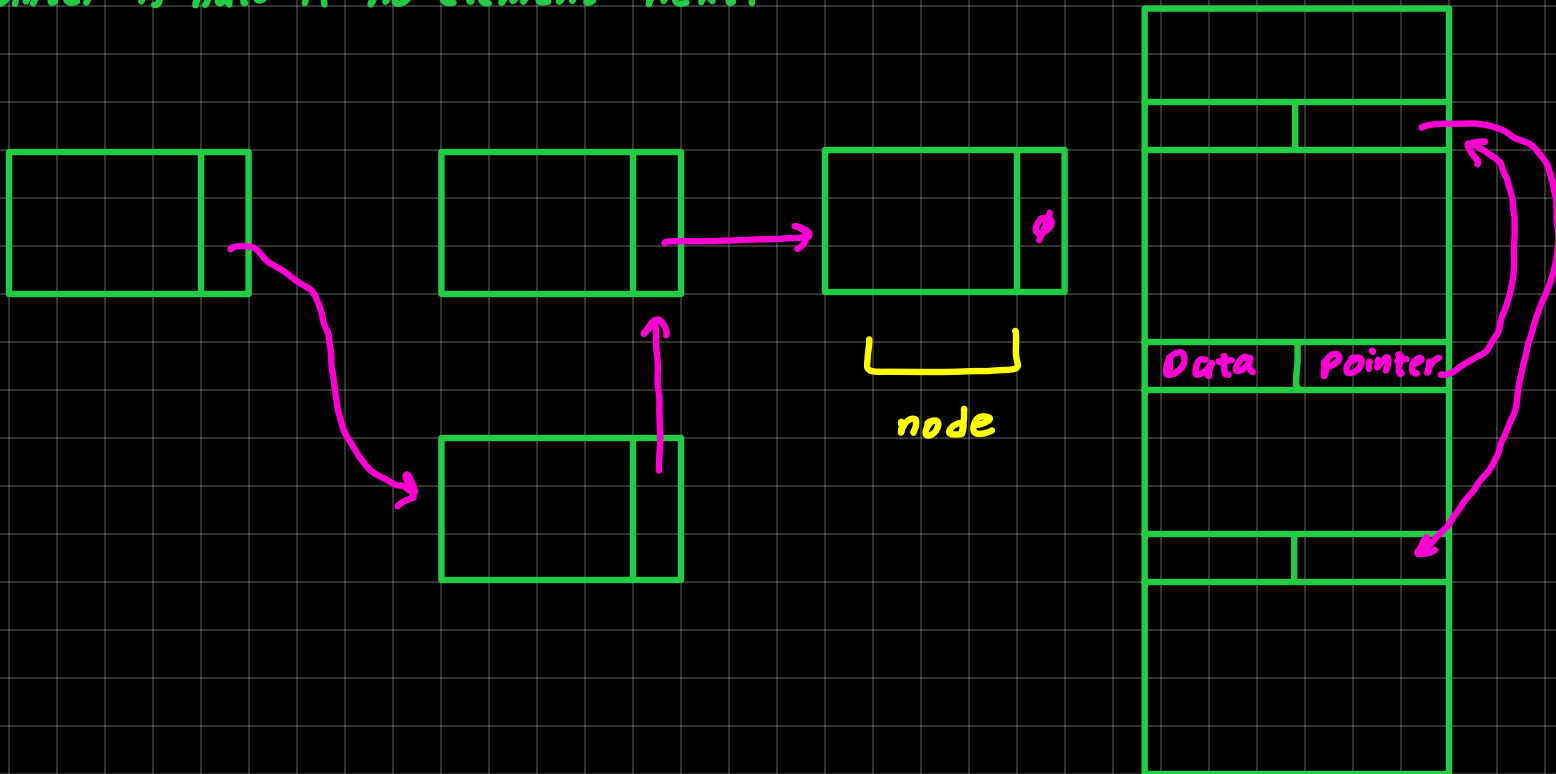


Linked List

- Segmented Memory results in an expensive option of growing an array.
→ copying into new array & then adding
- Random storage of elements in Linked List → Ideal for growing and shrinking
- Whole List is traversed for searching → expensive operation
- Pointer is null if no element next.



Syntax

Creation

```
template < class T >
class List {
private:
    class Node {
public:
        T data;
        Node pointer;

        Node ( T_data , Node_pointer ) {
```

```
        data = _data;  
        pointer = _pointer;  
    }  
    Node() {
```

```
    };  
    Node* head;  
public:  
    List();
```



• Insertion
=