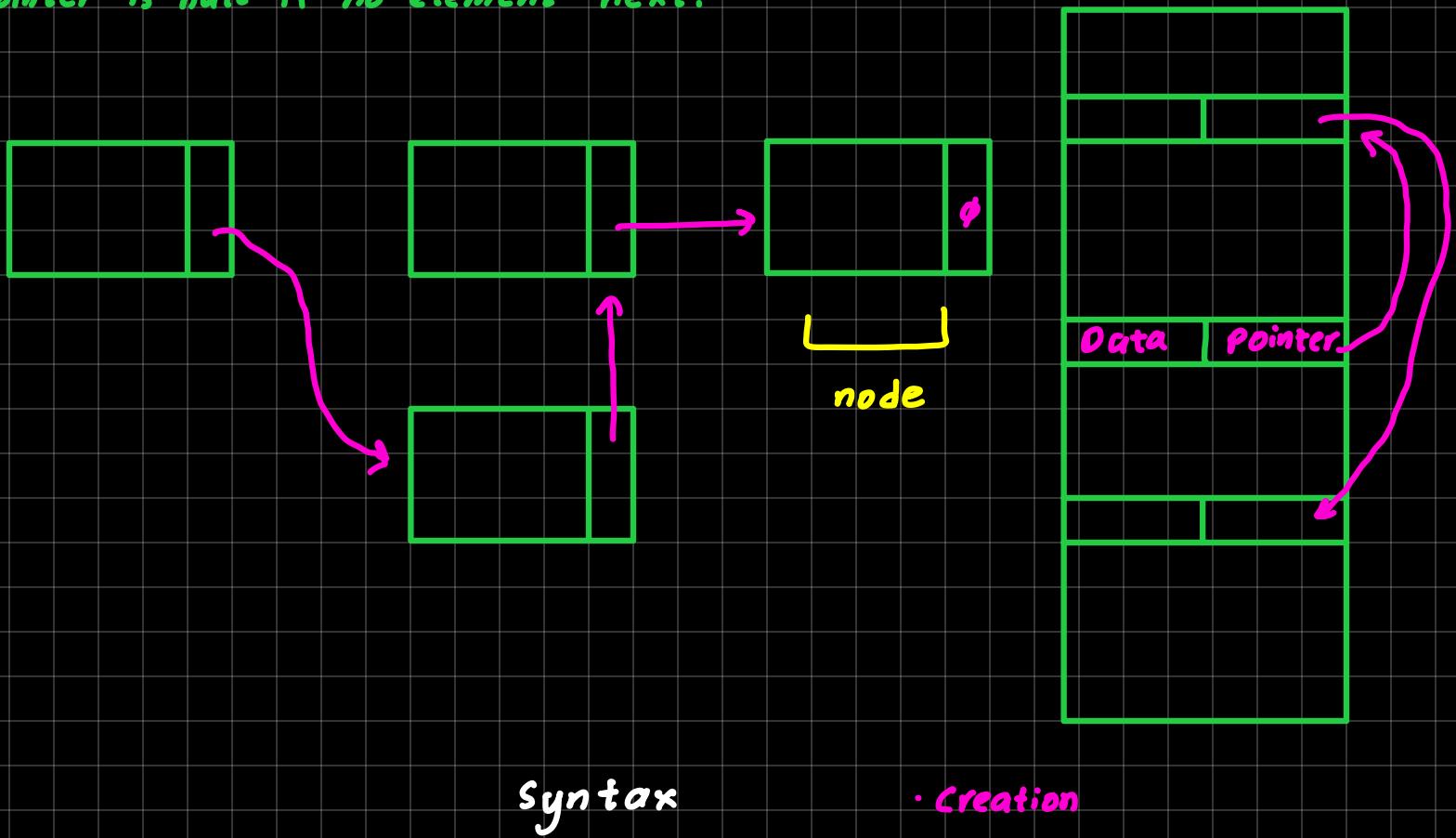


Linked List

- 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
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