

Linked Lists

Node Definition

```
class Node<T>
{
    T item                // A data item
    Node<T> next          // next node
    Node() { next = NULL }
    Node(T t)
    {
        item = t
        next = NULL
    }
    ...
}
```

Singly Linked List

```
class LinkedList<T>
{
    Node<T> head;
    int count;
    ...
}
```

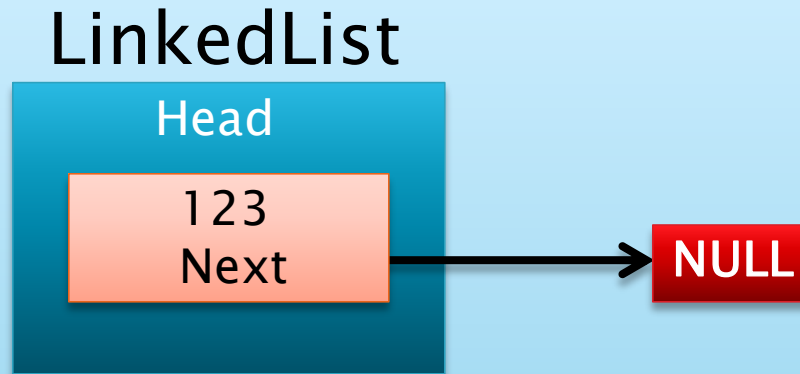
Constructor

```
LinkedList(T t)
{
    head = new Node<T>(t)
    count = 0
}
```

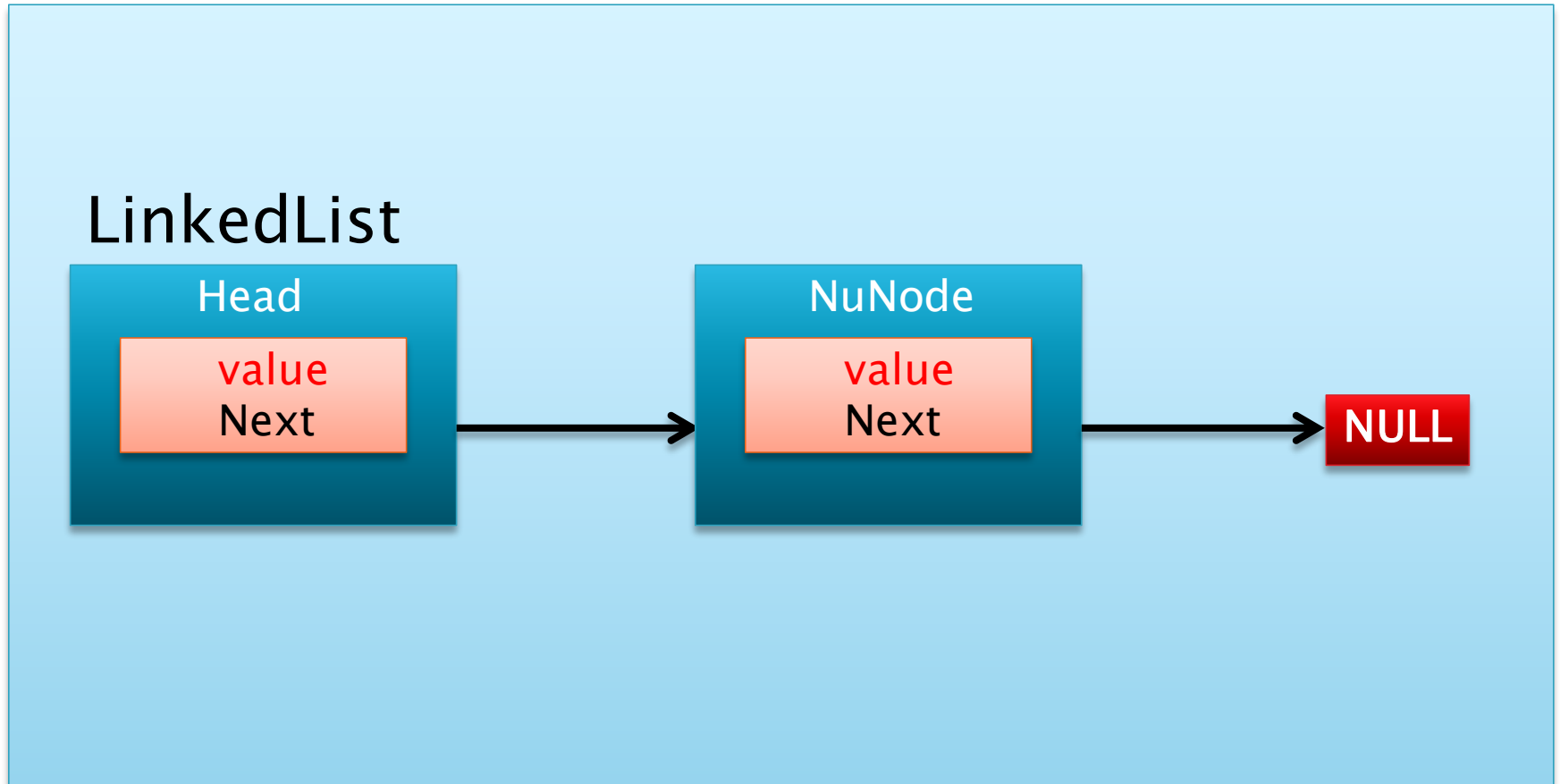


Linked List Object

```
T value = 123;  
LinkedList list(value);
```

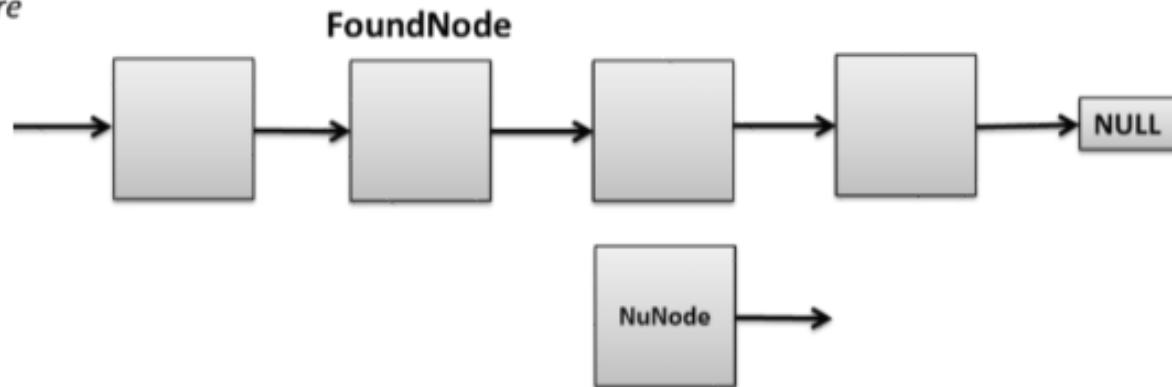


Insert New Node

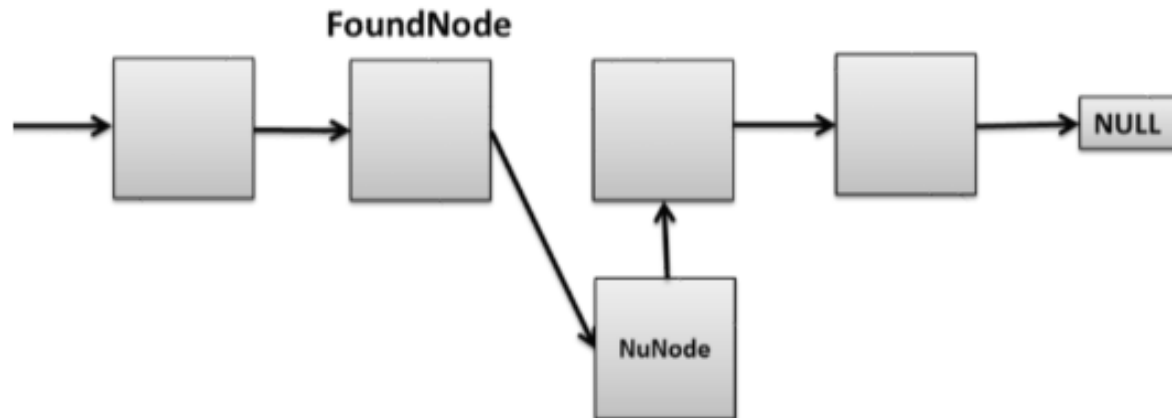


Insert Middle

Before



After

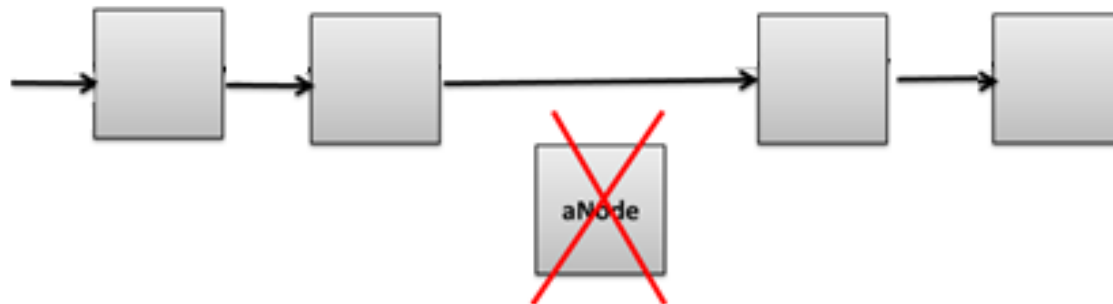


Delete Node

Before



After



Print List

