



## **Linked List**

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# Learning Objectives

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1. Understand what a linked list is
2. Understand what a linked list node is



# List Implementations

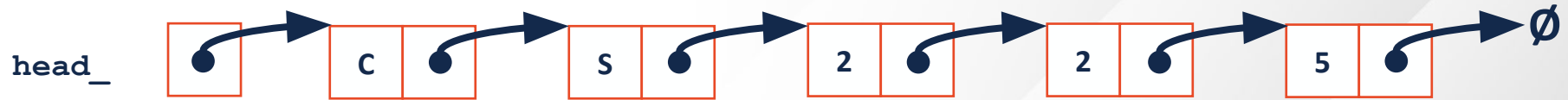
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1. Linked Lists

2. Array Lists



# Linked List



## List.h

```
28 struct ListNode {  
29     T data;  
30     ListNode * next;  
31     ListNode(const T & data) : data(data), next(NULL) { }  
32 };
```

# List.h

```
1 #pragma once
2
3 template <class T>
4 class List {
5     public:
6         /* ... */
7
8     private:
9         struct ListNode {
10             T data;
11             ListNode * next;
12             ListNode(const T & data):data(data), next(NULL) { }
13         };
14
15     ListNode *head_;
16
17
18
19 };
```

