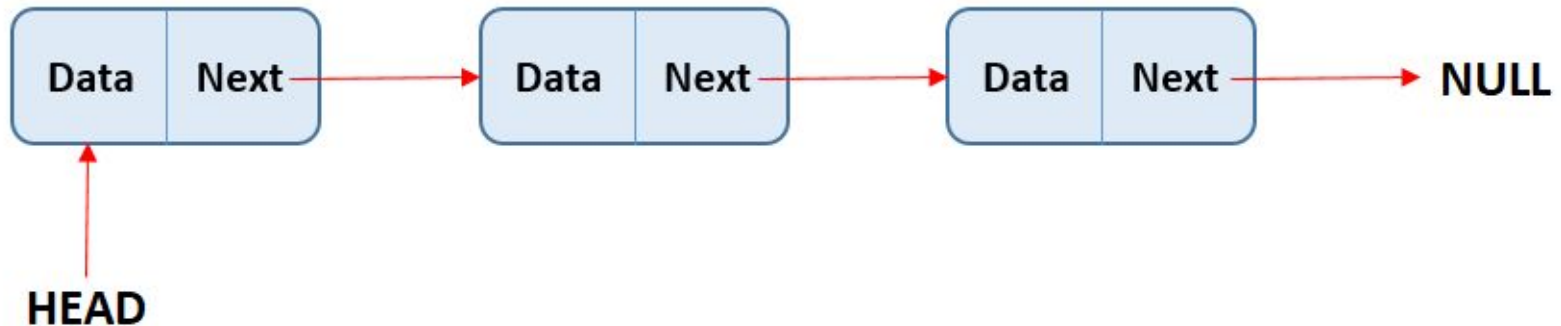


Data Structures

Manage how data is stored and accessed

Linked List

A list where nodes are **linked**, each containing data and a pointer to the **next node**, stored in free memory space.



Node

Nodes hold a **value** and the link to the **next node**

```
class Node{  
    constructor(data) {  
        this.data = data;  
        this.next = null;  
    }  
}
```

Linked List

Starts with a **head** property that references the first node. When we start, the list is empty, so the head pointer as **null**

```
class LinkedList{  
    constructor(){  
        this.head = null;  
    }  
}
```

Demonstration

appendNode

Demonstration

prependNode

Demonstration

pop



Demonstration

removeFromFront

Doubly Linked Lists

A list where nodes are **linked**, each containing data and a pointer to the **next node** and **previous node**.



Examples

- Playlist
- Photo album
- Web browser

Linked Lists Exercise

Implement the required methods and classes according to the specifications in the comments

<https://git.generalassemb.ly/modular-curriculum-all-courses/linked-lists-starter-code>