

Linked List

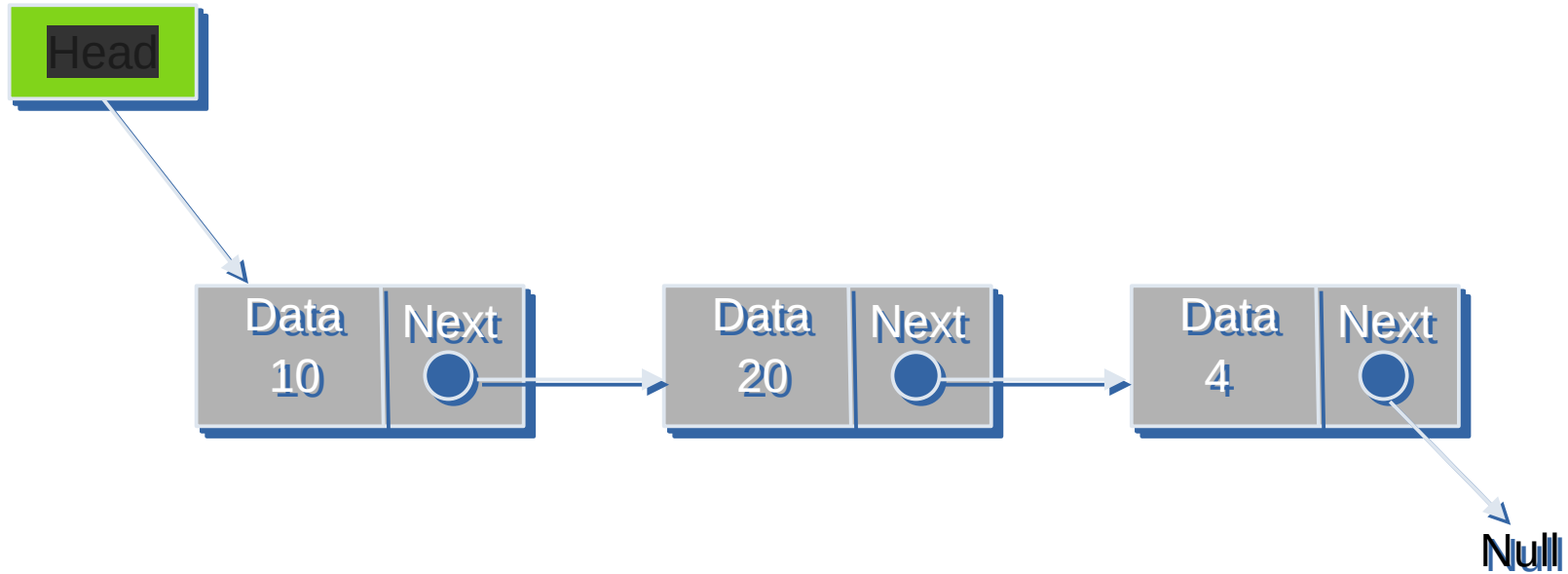


Node

2 parts

- Data
- Reference to the next node

Linked List



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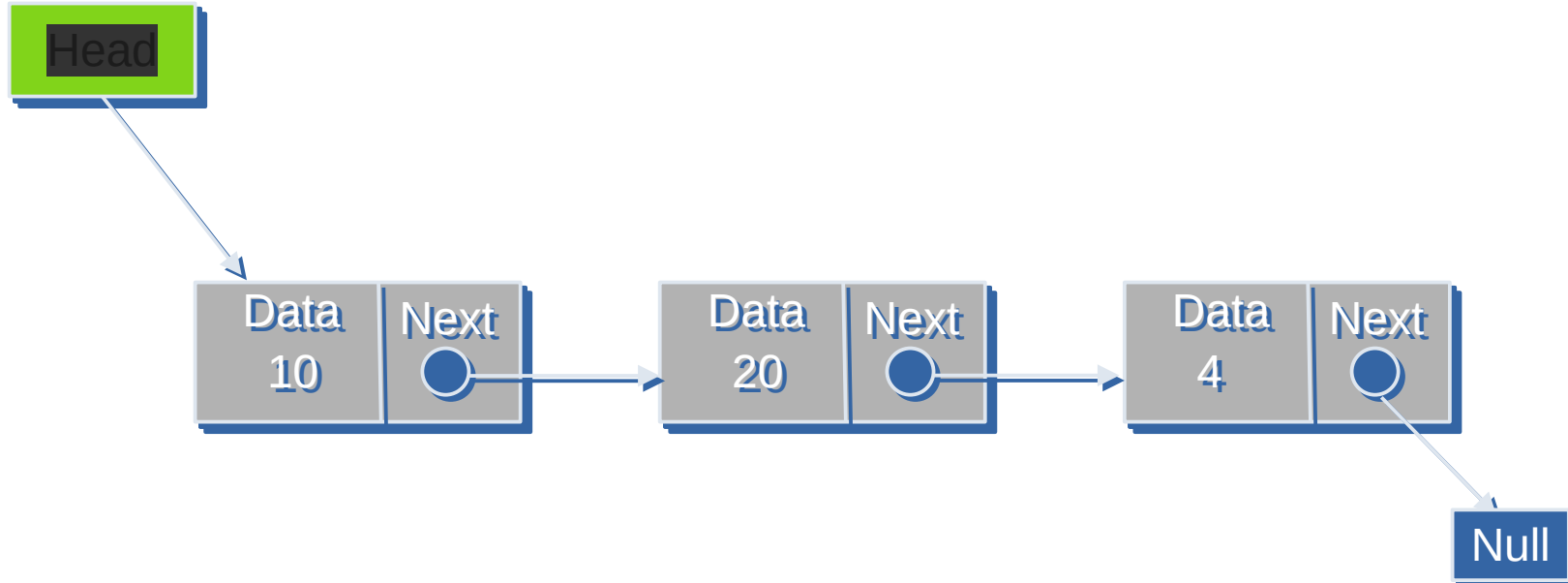
Common Operations

- `append(data)` // add at the end
- `prepend(data)` // add at the beginning
- `delete(data)`
- `getSize()`
- `find(data)`
- `insert(data)`
- `printList()`

Linked List

Example

prepend(5)

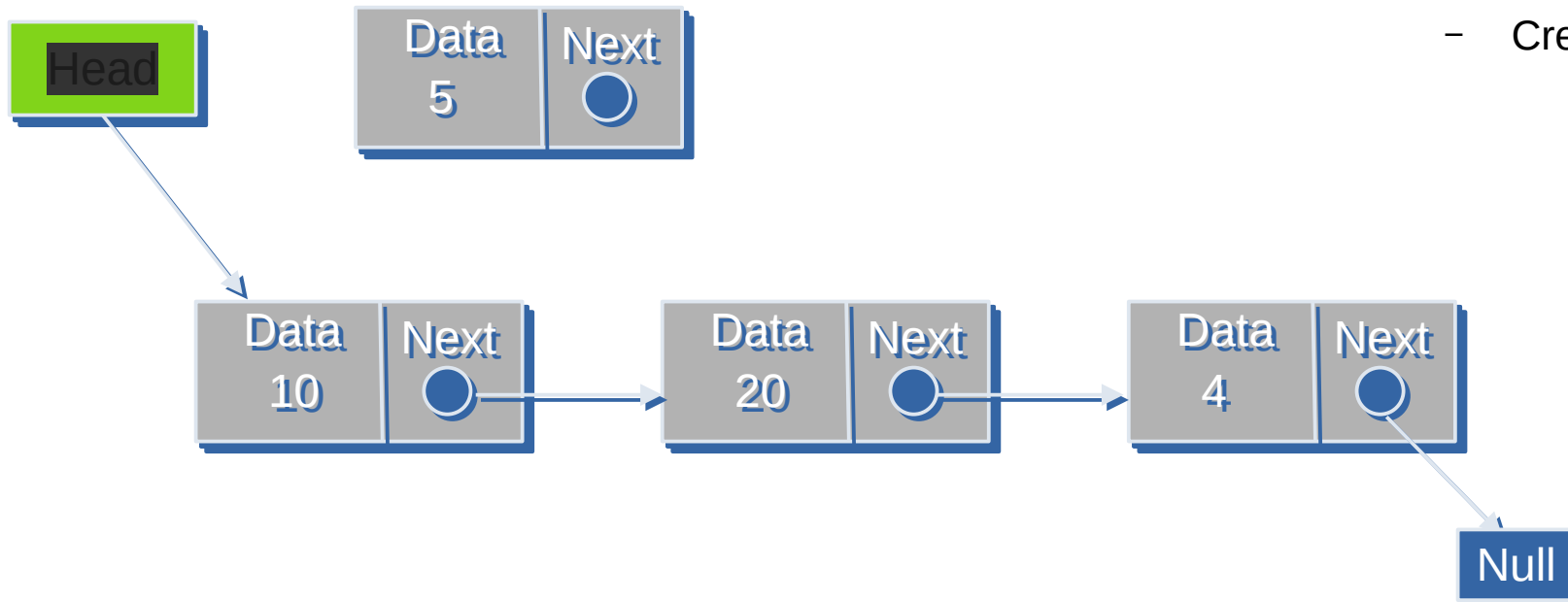


Linked List

Example

prepend(5)

- Create new node

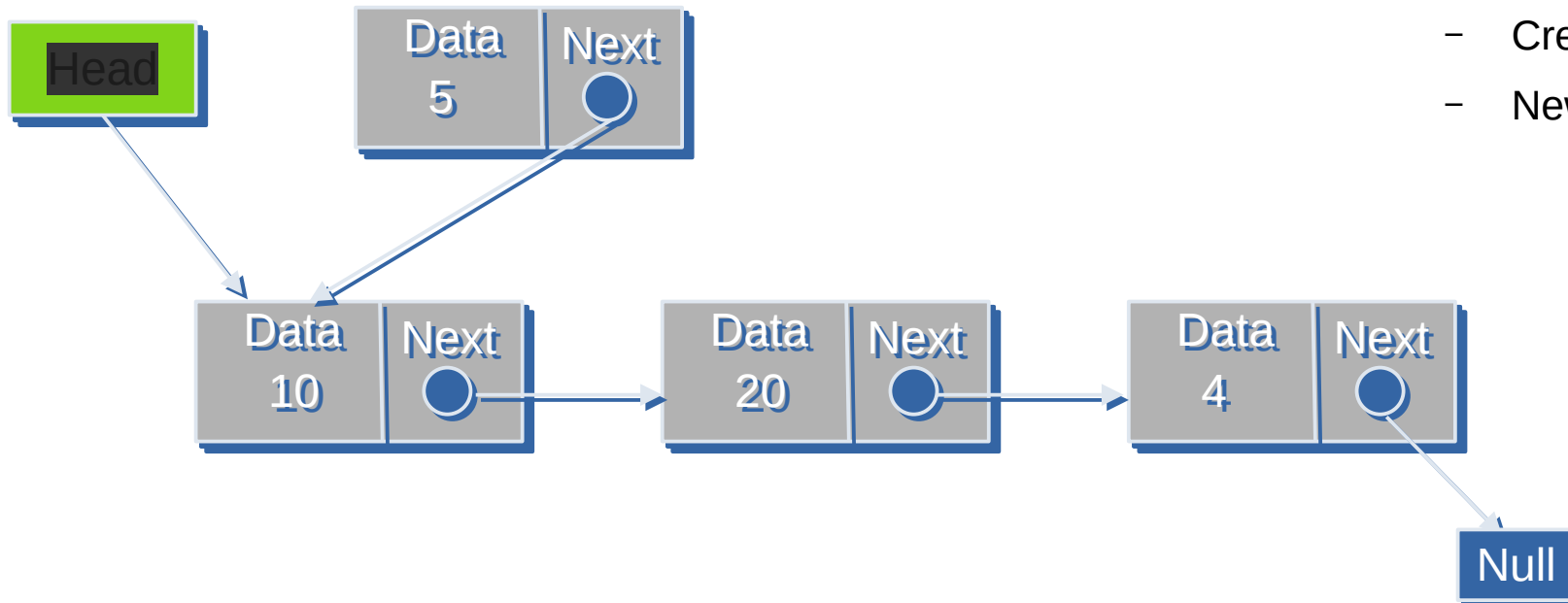


Linked List

Example

prepend(5)

- Create new node
- New Next to Head

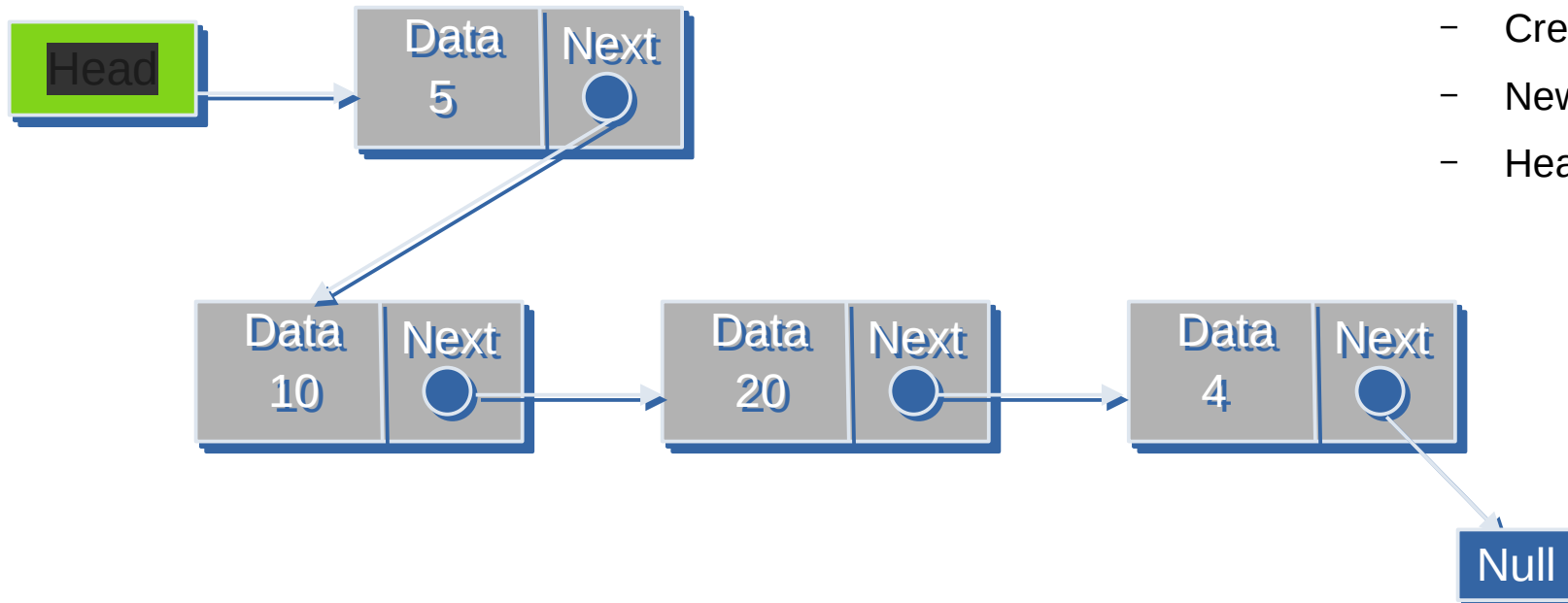


Linked List

Example

prepend(5)

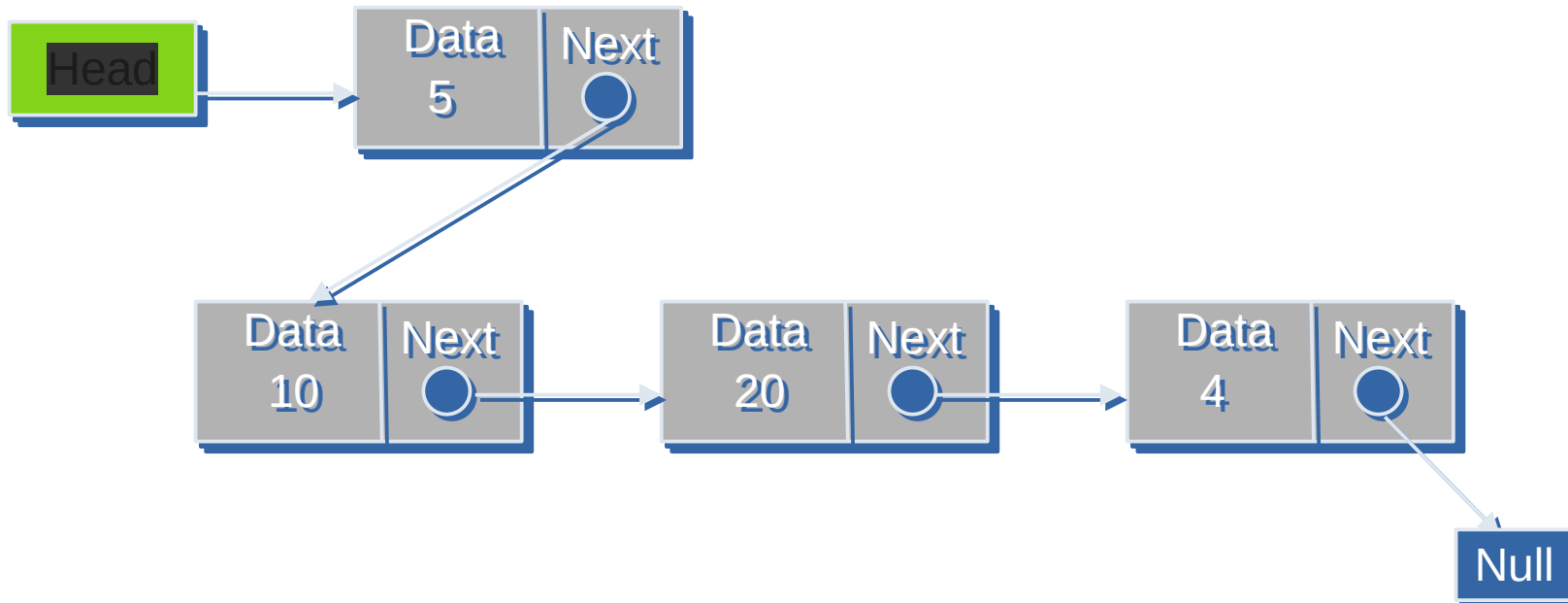
- Create new node
- New Next to Head
- Head to new node



Linked List

Example

delete(10)

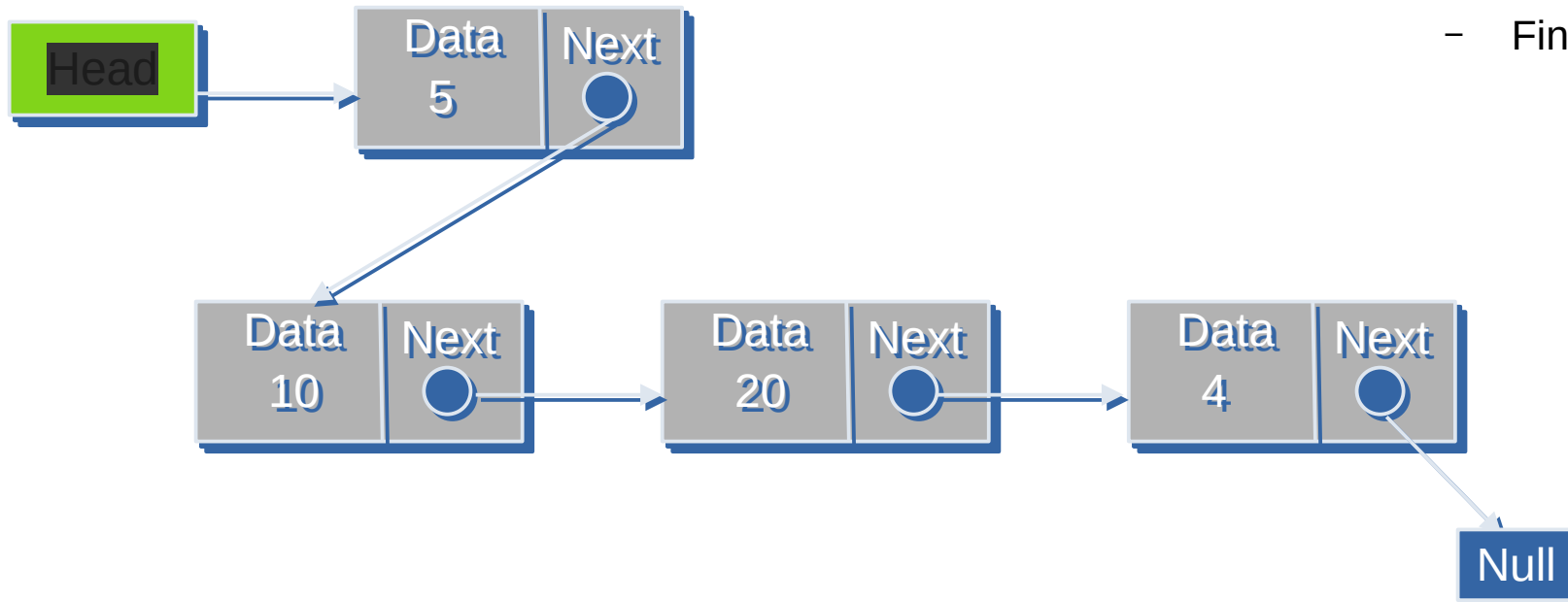


Linked List

Example

delete(10)

– Find data

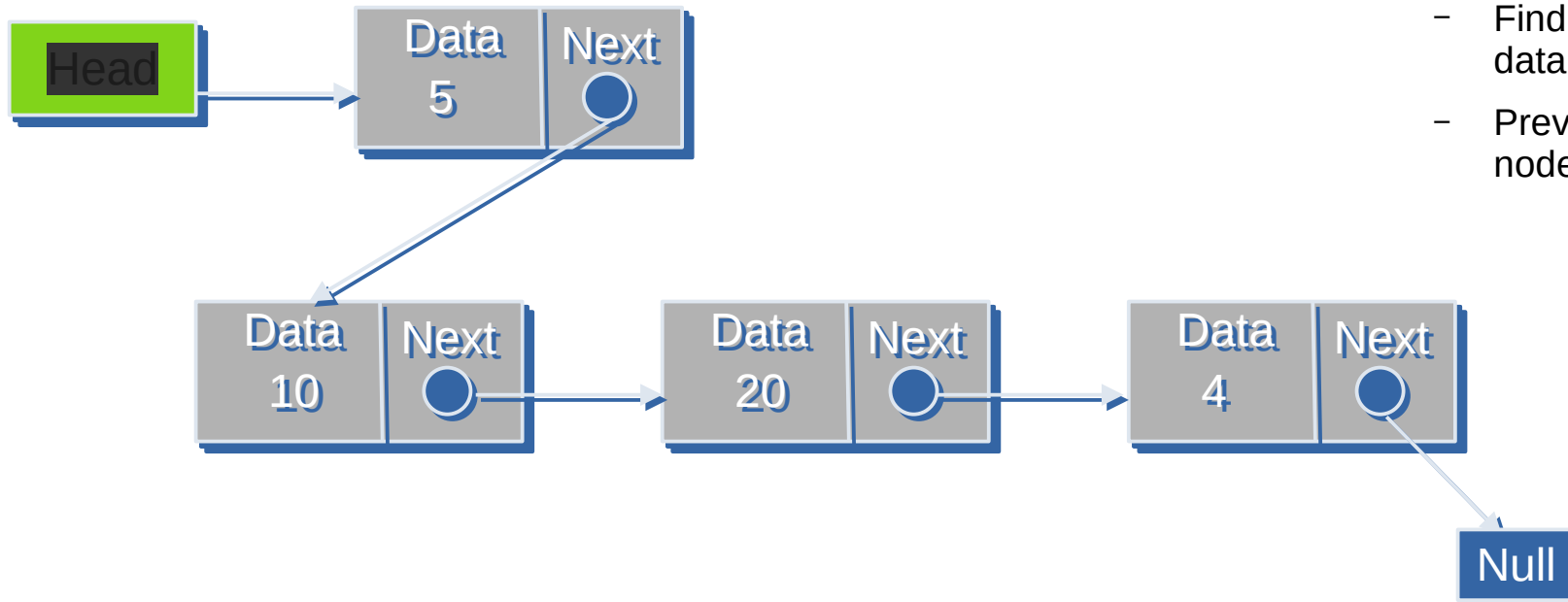


Linked List

Example

delete(10)

- Find the node where data
- Prev's next to this node's next



Linked List

Example

delete(10)

- Find data
- Prev's next to the node's next

