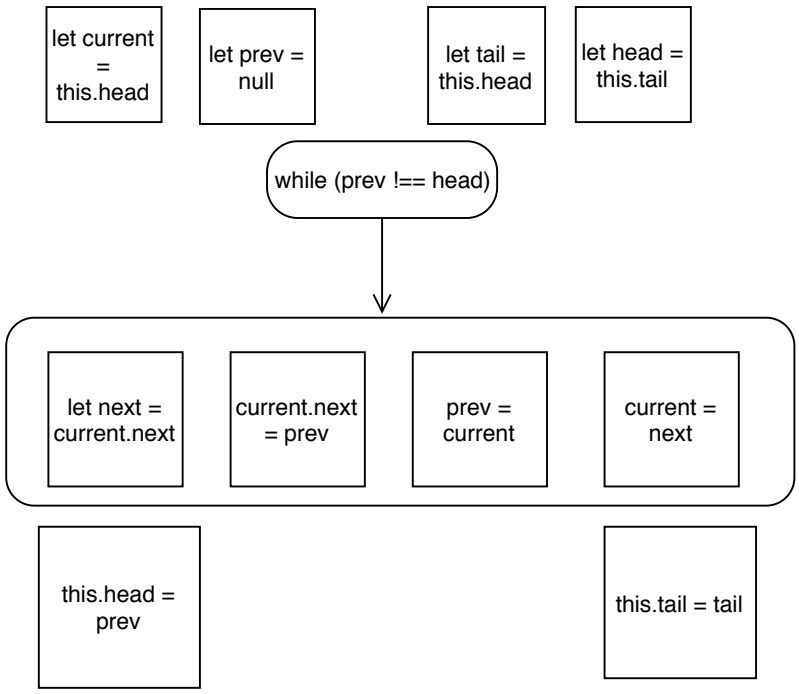
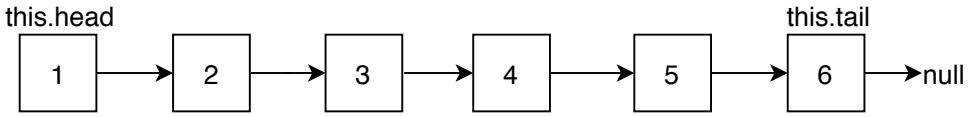
Reversing a Linked List



Example



First Loop

next points to 2

current.next points to null

prev points to 1

current points to 2

Second Loop

next points to 3

current.next points to 1

prev points to 2

current points to 3

Third Loop

next points to 4

current.next points to 2

prev points to 3

current points to 4

Fourth Loop

next points to 5

current.next points to 3

prev points to 4

current points to 5

Fifth Loop

next points to 6

current.next points to 4

prev points to 5

current points to 6

Sixth Loop

next points to null

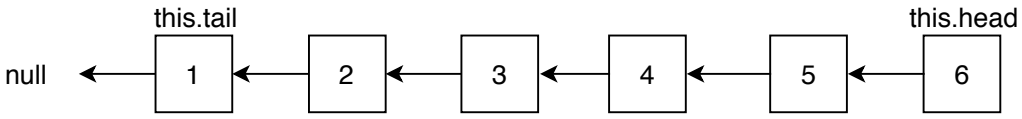
current.next points to 5

prev points to 6

current points to null

prev === head, so loop exits

Update reference pointers

this.tail = tail

this.head = prev