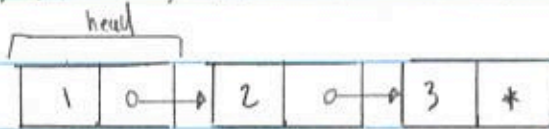


# How to Reverse Linked List

1.  $prev = * , next = * , curr = head$  // all of these are list node pointers

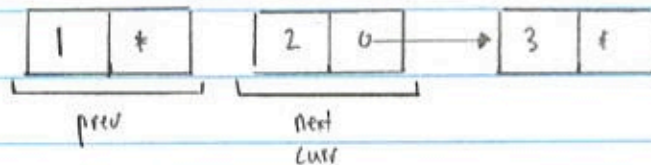


2.  $prev = * , next = [2 | 0] , curr = [1 | 0]$  //  $next = curr \rightarrow next$

$prev = * , next = [2 | 0] , curr = [1 | *]$  //  $curr \rightarrow next = prev$

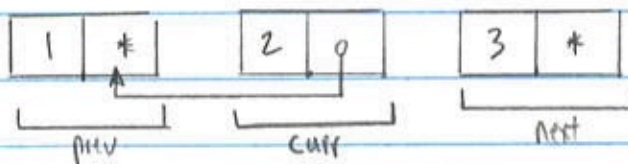
$prev = [1 | *] , next = [2 | 0] , curr = [1 | *]$  //  $prev = curr$

$prev = [1 | *] , next = [2 | 0] , curr = [2 | 0]$  //  $curr = next$



3.  $prev = [1 | *] , next = [3 | *] , curr = [2 | 0]$  //  $next = curr \rightarrow next$  // modify pointer

$prev = [1 | *] , next = [3 | *] , curr = [2 | 0]$  //  $curr \rightarrow next = prev$  // modify value of struct



$prev = [2 | 0] , curr = [2 | 0] , next = [3 | *]$  //  $prev = curr$

