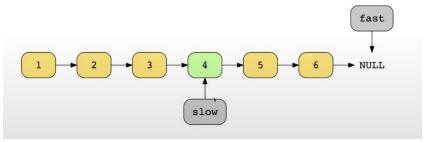
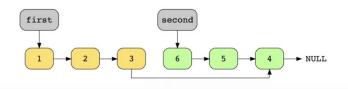


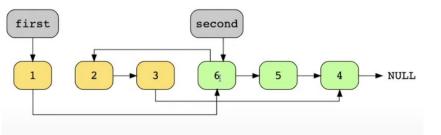
1. Find the middle of the linked list using the fast and slow pointers



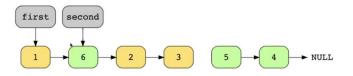
2. Reverse the second half of the linked list using in-place reversal



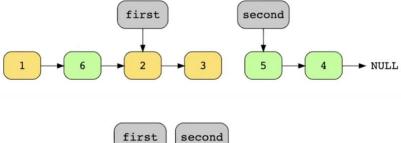
3. Point first.next at second and second.next at first.next

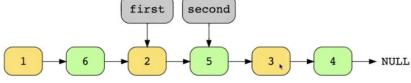


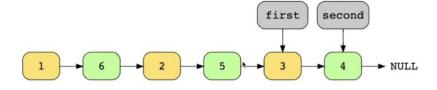
4. After first iteration

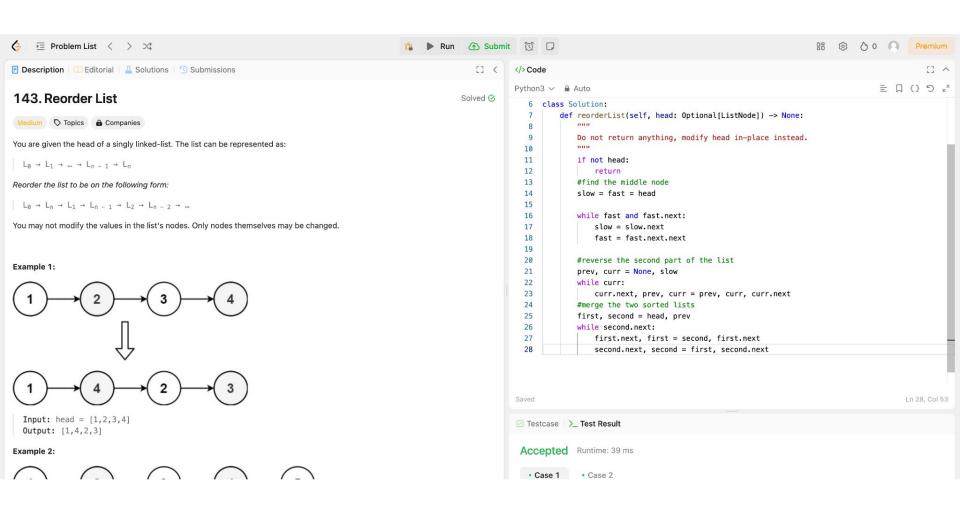


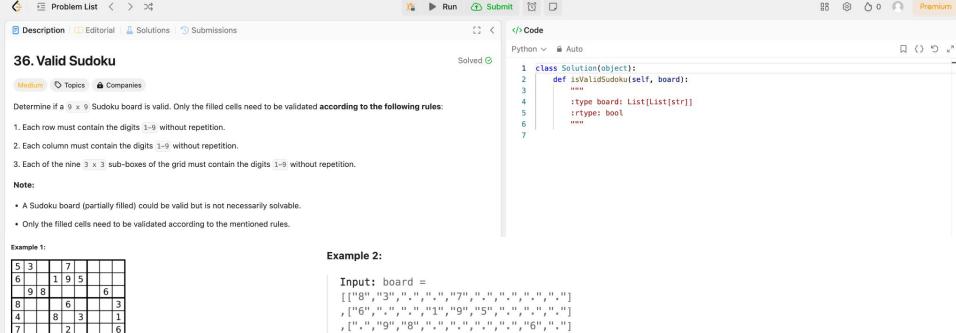
5. Move first and second forward











,["8",".",".","6",".",".",".","3"

,["4",".",".","8",".","3",".",".","1"

,["7",".",".",".","2",".",".",".","6"] ,[".","6",".",".",".",".","2","8","."]

,[".",".",".","4","1","9",".",".","5"]

Output: false

,[".",".",".","8",".",","7","9"]]

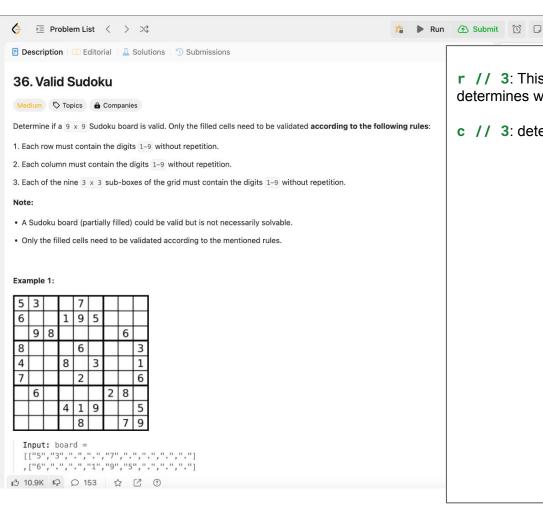
there are two 8's in the top left 3x3 sub-box, it is invalid.

Explanation: Same as Example 1, except with the 5 in the top left corner being modified to 8. Since

## 

Output: true

,[".",".",".","4","1","9",".",".","5"] ,[".",".",".",".","8",".",".","7","9"]]



**r** // **3**: This part divides the row index r by 3 using integer division. It determines which of the three rows of 3x3 boxes the cell is in.

O O Premium

c // 3: determines which of the three columns of 3x3 boxes the cell is in

