

Interested to know

Microsoft Interview DSA questions?

(For SDE Role)



Trapping Rainwater Problem

```
def trap(height):
    left = 0
    right = len(height) - 1
    left_max = right_max = water = 0

    while left < right:
        if height[left] <= height[right]:
            left_max = max(left_max, height[left])
            water += left_max - height[left]
            left += 1
        else:
            right_max = max(right_max, height[right])
            water += right_max - height[right]
            right -= 1

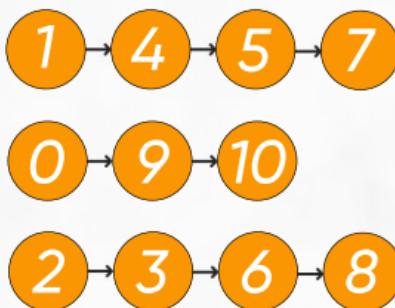
    return water
```



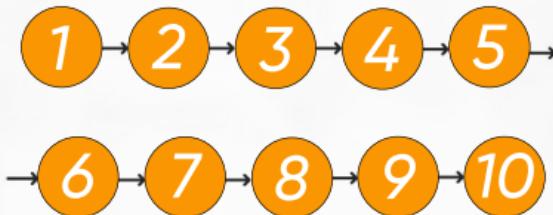
Merge K-Sorted Lists

Input

$k = 3$

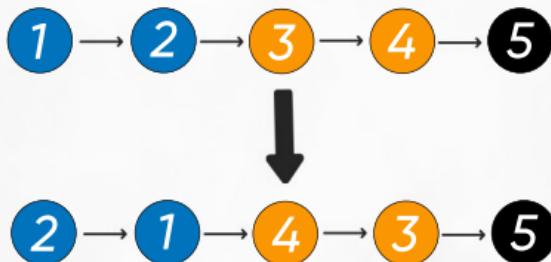


Output



Reverse Nodes in K- Group

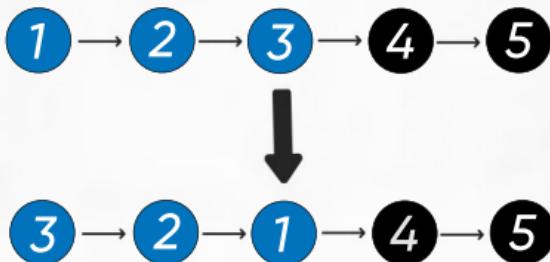
Example 1



Input: head = [1,2,3,4,5], k = 2

Output: [2,1,4,3,5]

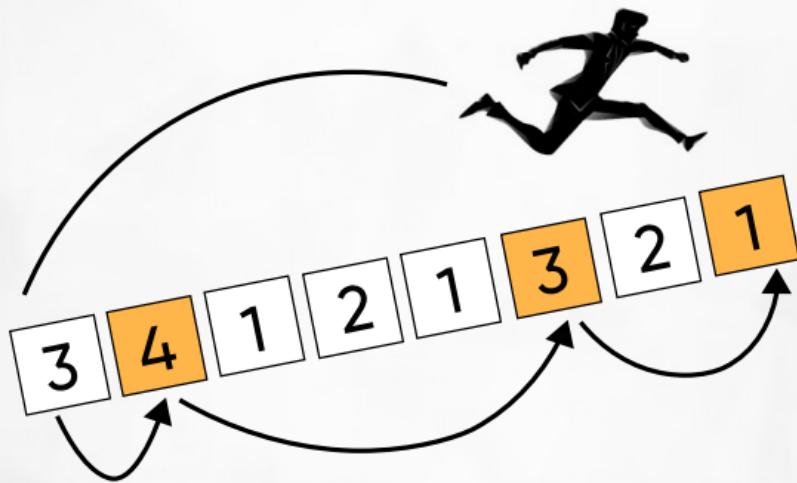
Example 2



Input: head = [1,2,3,4,5], k = 3

Output: [3,2,1,4,5]

Jump Game



LIVE
MASTER CLASS

Decoding Microsoft interview

Want to know

How to solve Problems related to

Data Structures and Algorithms?

Slide to know more →



SUCCEED IN

SDE INTERVIEW AT MICROSOFT

JOIN OUR PROBLEM-SOLVING MASTERCLASS.

SHUBHAM LAL
SDE II
Ex- Microsoft

**LIVE ➔
MASTERCLASS**



**24th Sept
2023**



**5-8 PM
Sun**

Book Now

