

# 12. LINKED LISTS

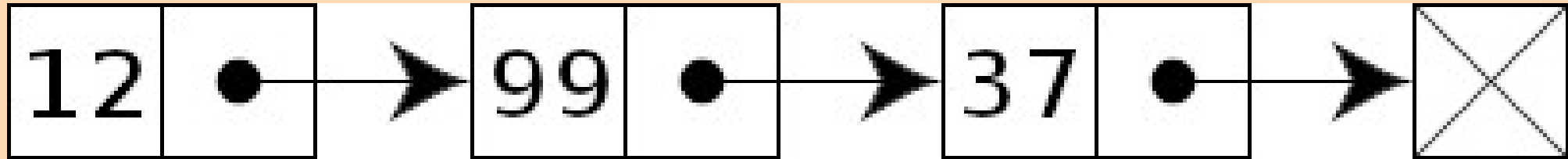
[Hengfeng Wei \(魏恒峰\).](#)

[hfw@nju.edu.cn](mailto:hfw@nju.edu.cn)

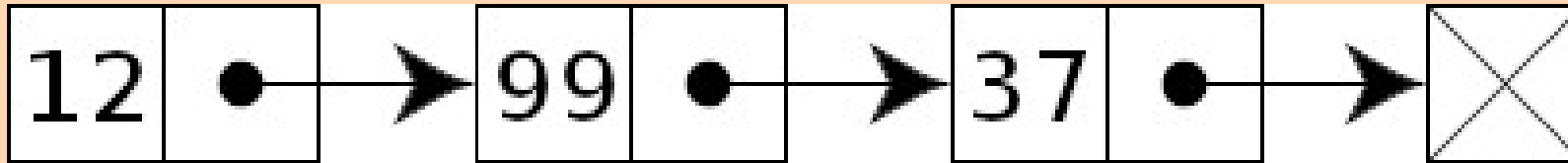


Dec. 20, 2024

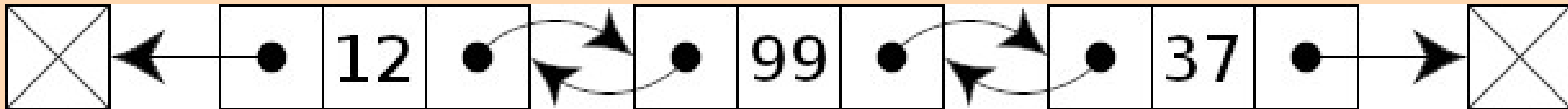
# Overview



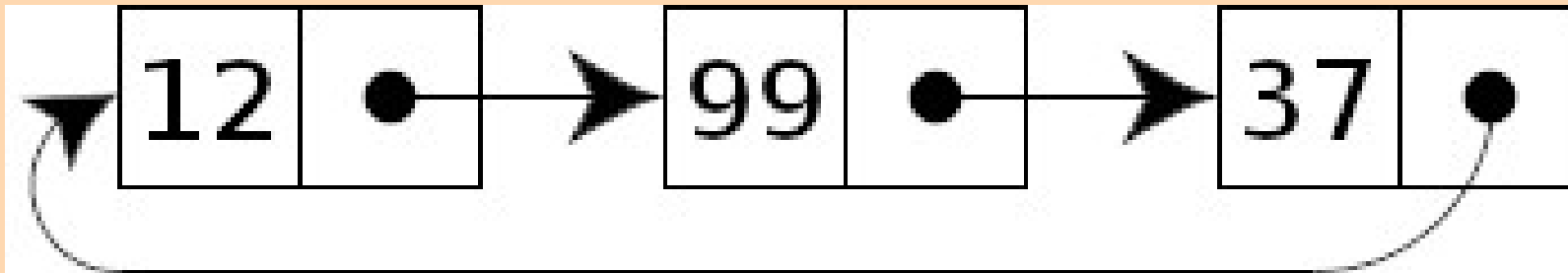
## Linked List



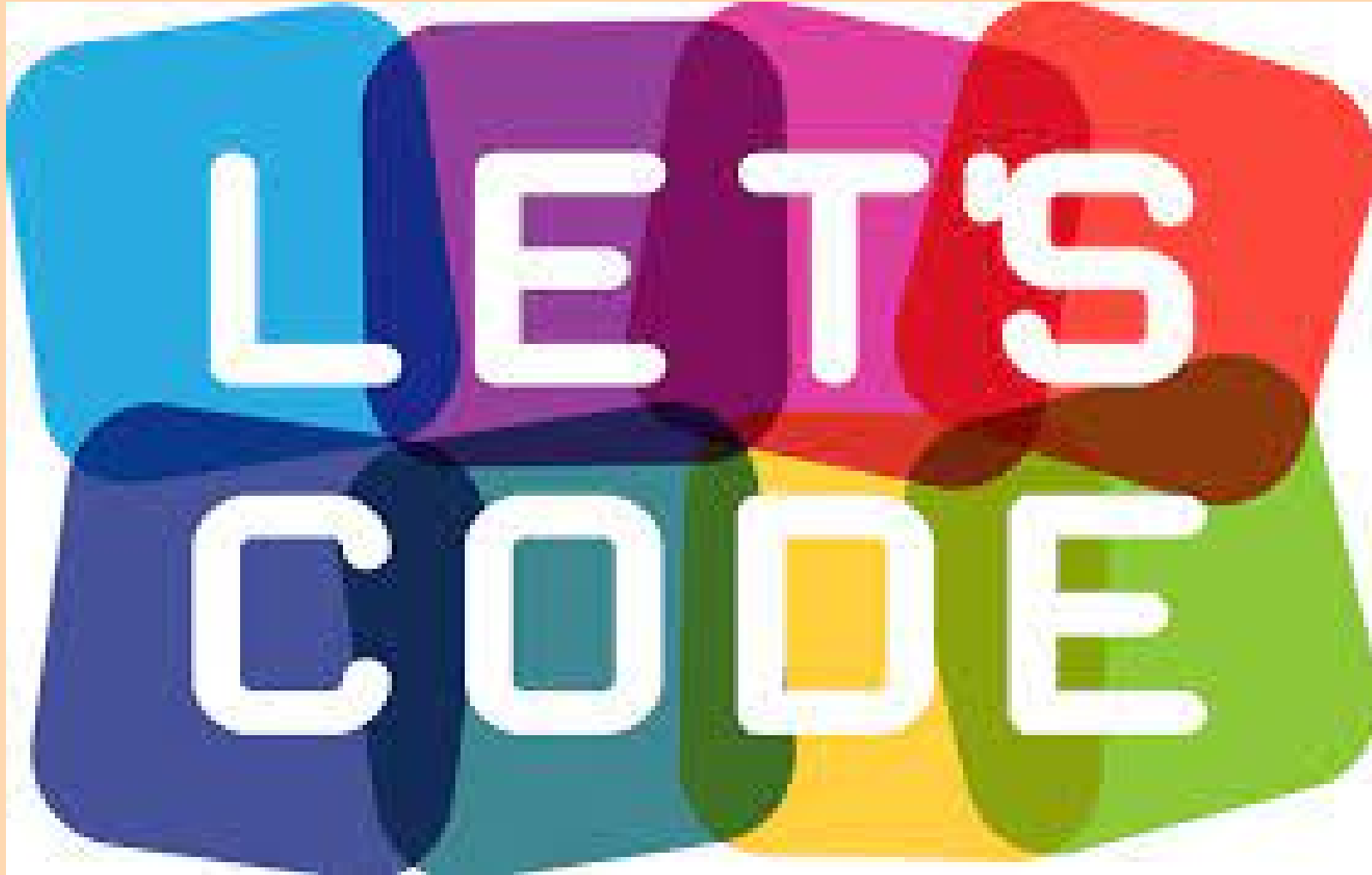
## Singly Linked List



## Doubly Linked List

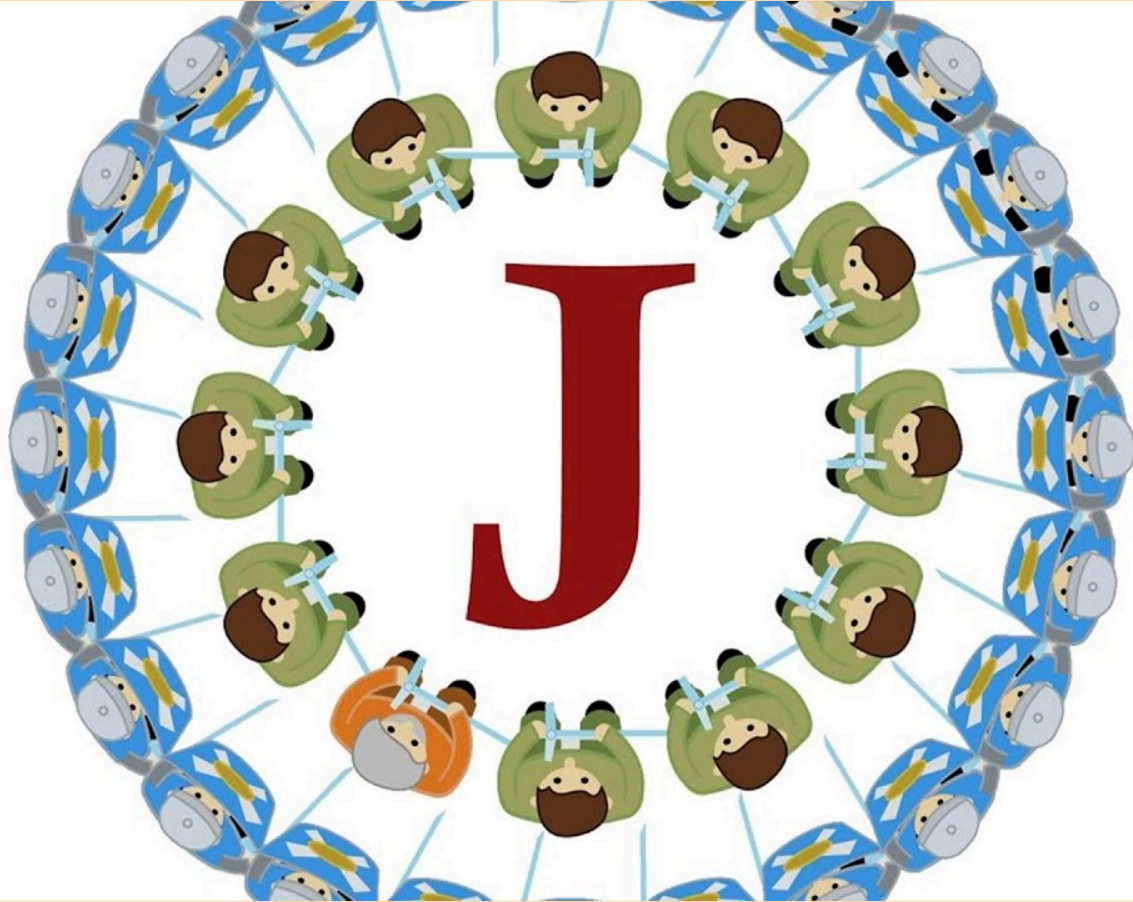


## Circular (Singly) Linked List



**josephus.c**

Numberphile



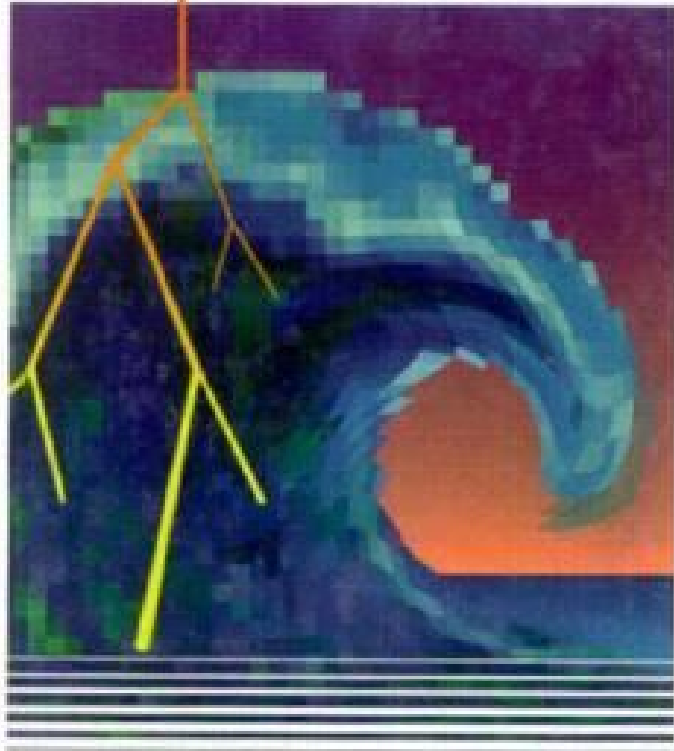
**"I hate the Josephus Game!"**

$$J(2^m + l) = 2l + 1 \quad (m \geq 0 \wedge 0 \leq l < 2^m)$$



SECOND  
EDITION

# Data Structures and Algorithm Analysis in C



Mark Allen Weiss

# Algorithms in C

Robert Sedgewick





