

The background features a dark blue gradient with faint, light blue geometric patterns. On the left side, there are several concentric circles and arcs, some with degree markings ranging from 40 to 260. Arrows indicate a clockwise direction of movement. The overall aesthetic is technical and modern.

FUNDAMENTALS OF PROGRAMMING

PART XIV

CONTENTS

- Queue
- Linked List
- Array vs Linked List
- Quiz

QUEUE

SECRETS OF QUEUE 

Ramadan Special Program

Code With Virus

QUEUE

Push / Pop → Stack → LIFO
Last In First Out
Queue → FIFO
First In First Out

A Queue is a linear structure which follows a particular order in which the operations are performed. The order is FIFO (First In First Out).

There are two main operations on a Queue. One is ENQUEUE and the other is DEQUEUE.

→ Add in Queue
→ Remove from Queue

FEEL THE QUEUE

TRY TO FEEL AND IMAGINE HOW QUEUE WORKS

DEQUEUE



FEEL THE QUEUE



DEQUEUE



FEEL THE QUEUE



DEQUEUE



FEEL THE QUEUE



⑦



②



⑤



⑩



④



③

ENQUEUE



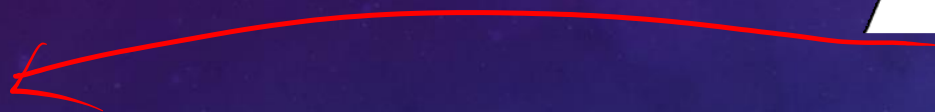
FEEL THE QUEUE



ENQUEUE



FEEL THE QUEUE



DEQUEUE



FEEL THE QUEUE





FEEL THE QUEUE



DEQUEUE



FEEL THE QUEUE



DEQUEUE



FEEL THE QUEUE





FEEL THE QUEUE



DEQUEUE



FEEL THE QUEUE



DEQUEUE



FEEL THE QUEUE





FEEL THE QUEUE



DEQUEUE



FEEL THE QUEUE



DEQUEUE

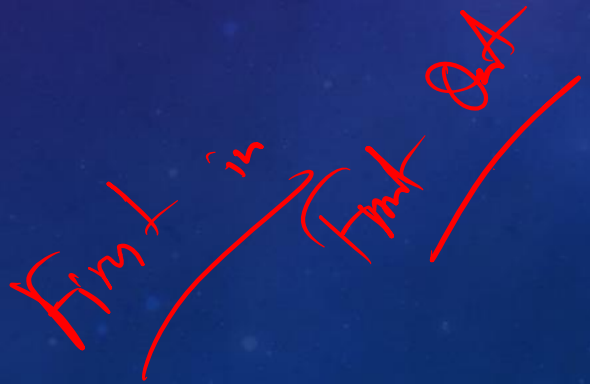
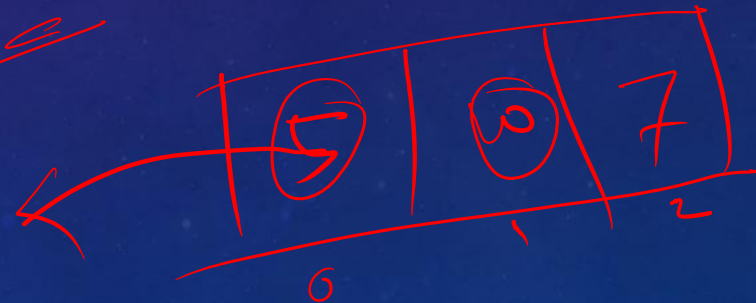
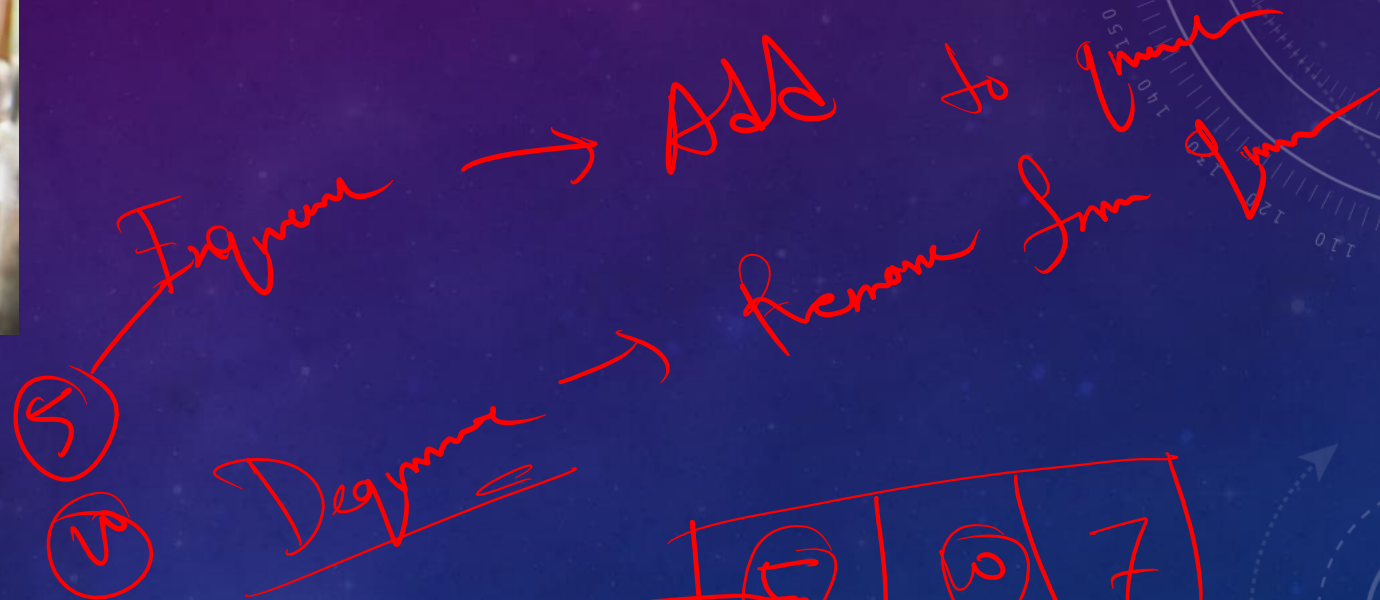
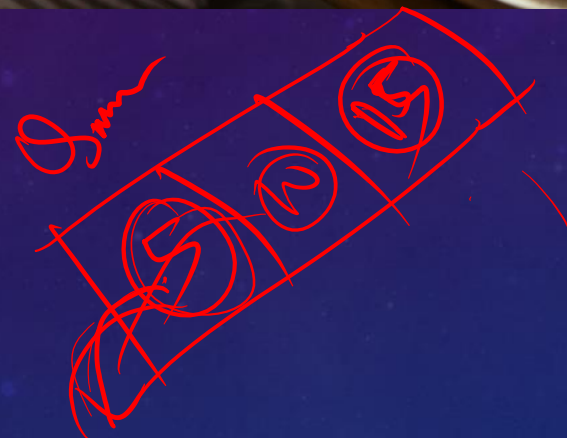


FEEL THE QUEUE





FEEL THE QUEUE



LINKED LIST

SECRETS OF LINKED LIST 🏰

Ramadan Special Program

Code With Virus

LINKED LIST

Linear Collection
Linear Structure

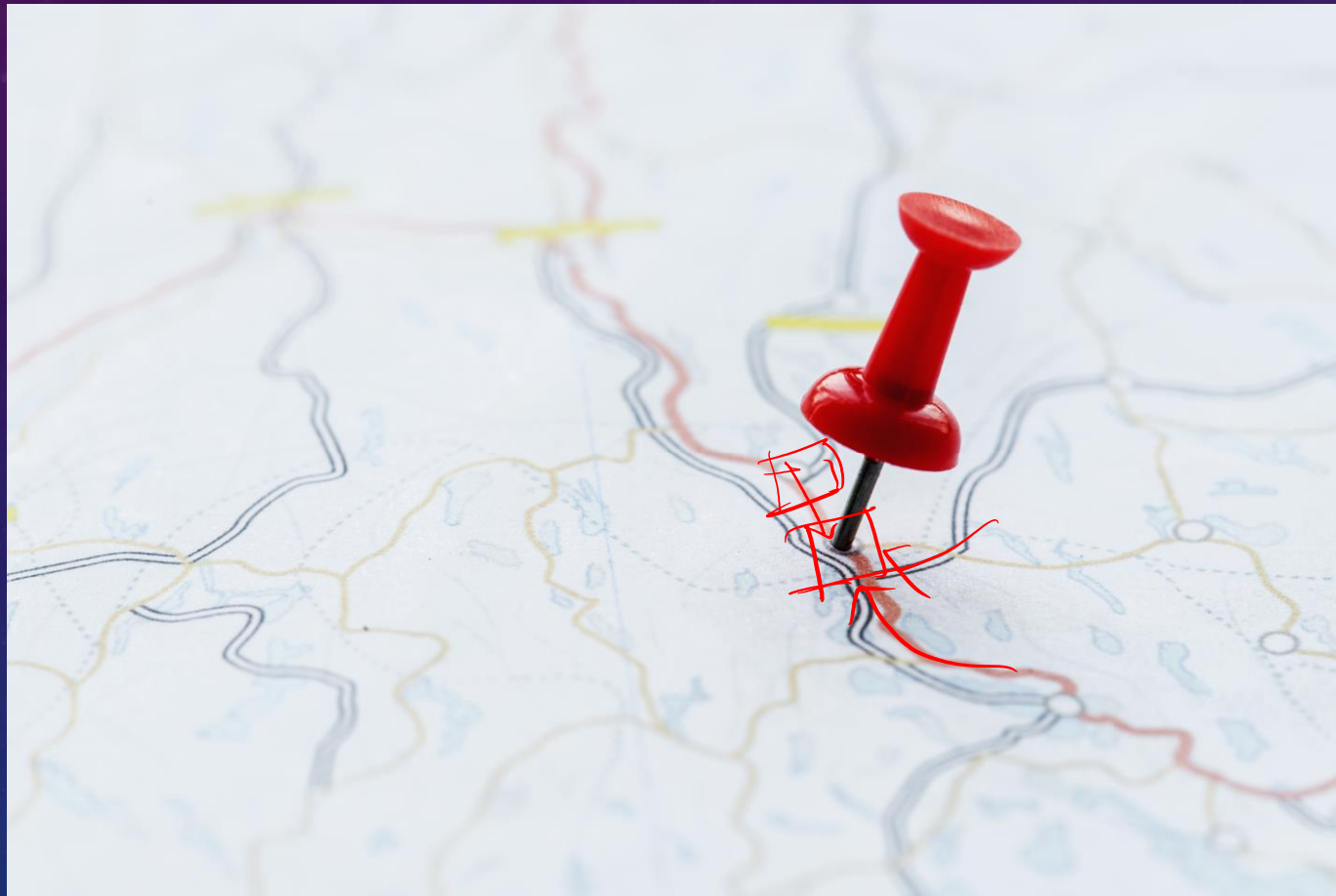
A linear collection of data elements whose order is not given by their physical placement in memory. Instead, each element points to the next.

It is a data structure consisting of a collection of nodes which together represent a sequence.

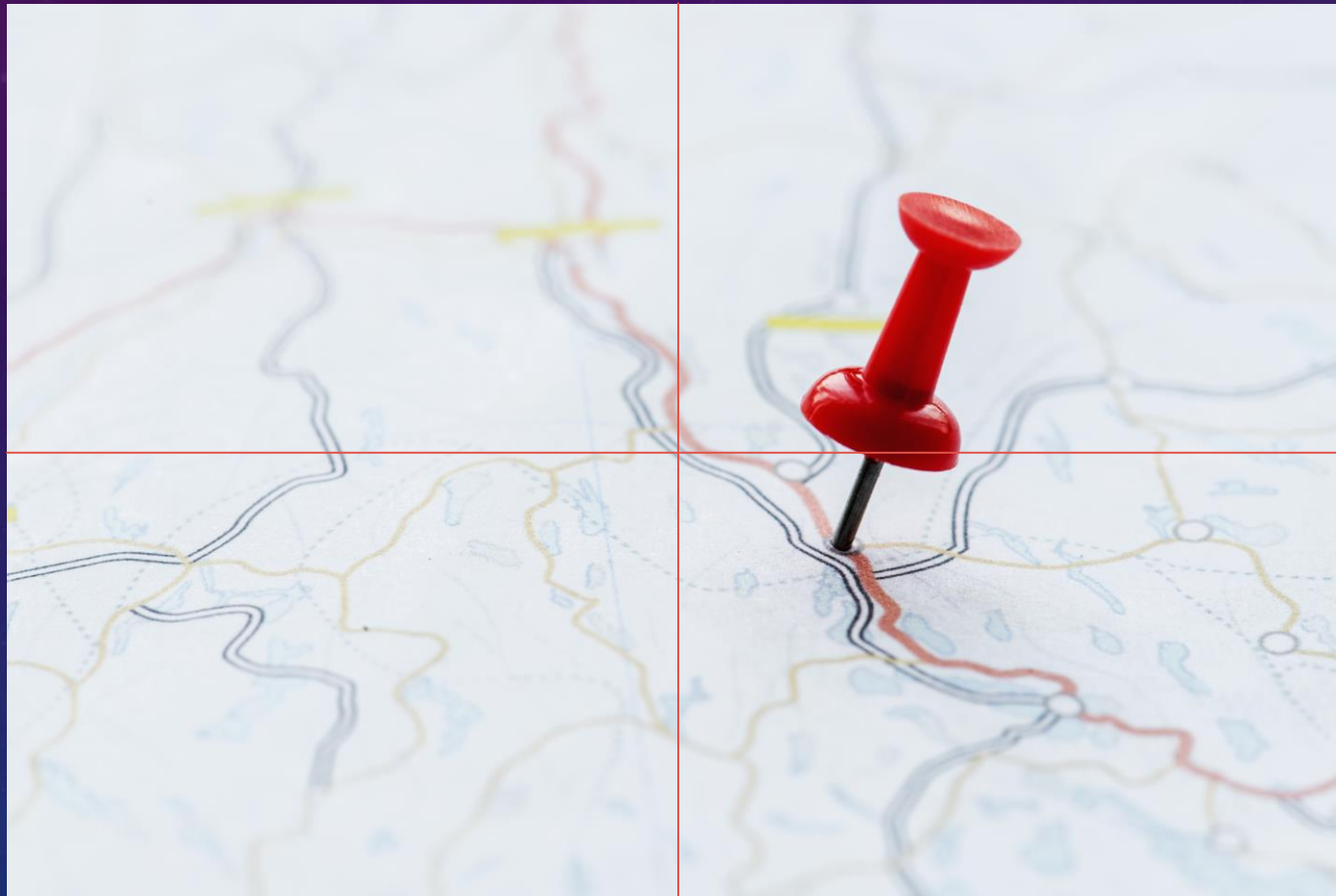
FEEL THE LINKED LIST

TRY TO FEEL AND IMAGINE HOW LINKED LIST WORKS

FEEL THE LINKED LIST

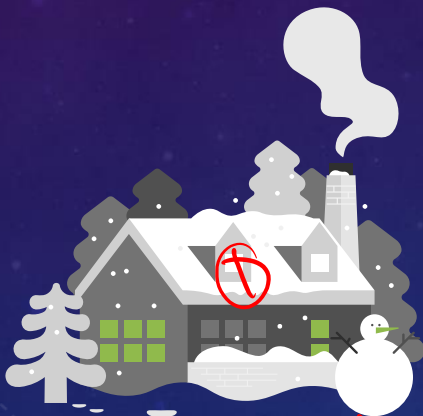


FEEL THE LINKED LIST



FEEL THE LINKED LIST

House A
Address



HOUSE A



HOUSE B

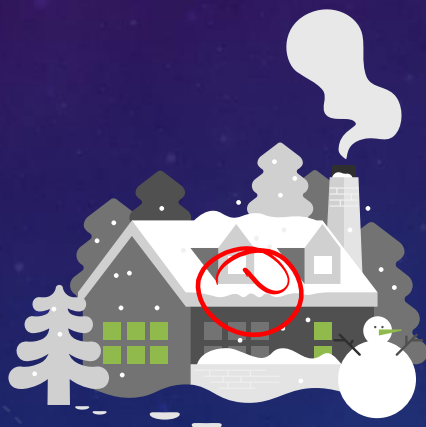
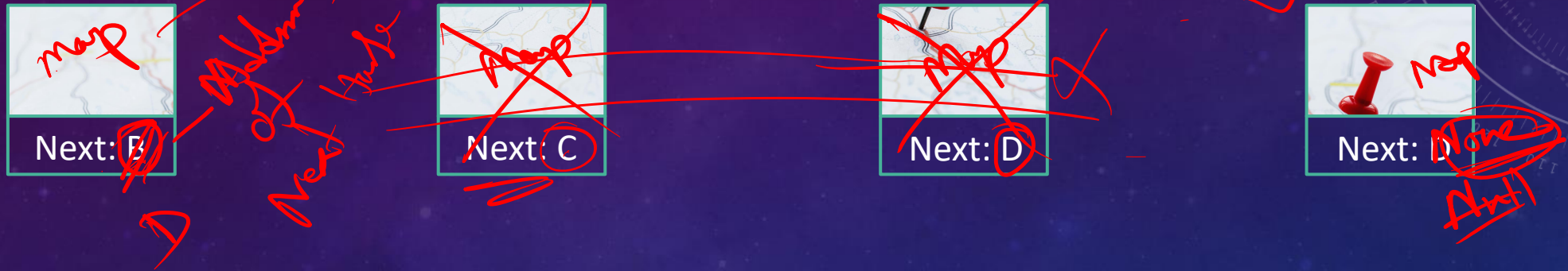


HOUSE C



HOUSE D

FEEL THE LINKED LIST



HOUSE A



HOUSE B



HOUSE C



HOUSE D

FEEL THE LINKED LIST



HOUSE A



HOUSE B

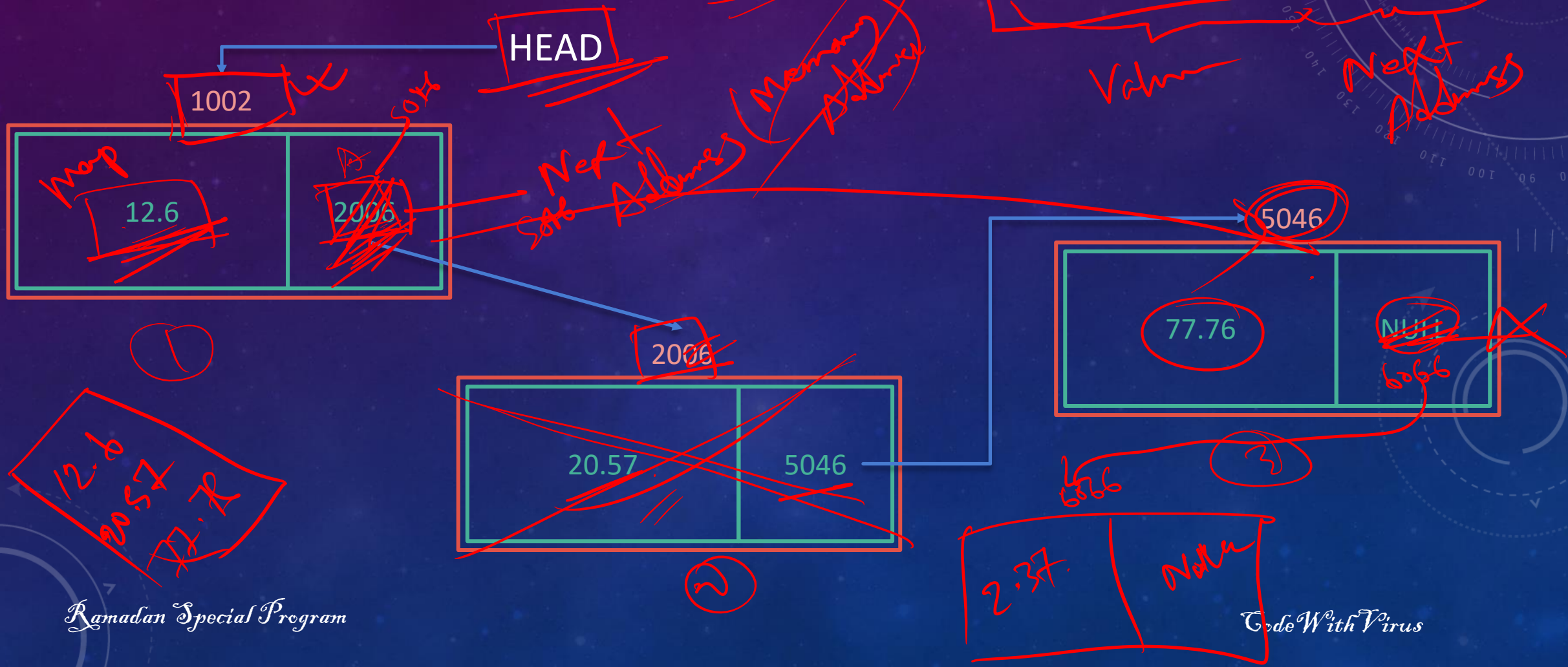


HOUSE C



HOUSE D

FEEL THE LINKED LIST



LINKED LIST VS ARRAY

WHY LINKED LIST, WHY ARRAY

LINKED LIST VS ARRAY



The background features a dark blue gradient with a subtle pattern of white dots. On the left side, there are several concentric circles and arcs, some with degree markings ranging from 140 to 260. Some of these arcs have arrows indicating a clockwise direction.

THE END

PART XIV

Ramadan Special Program

Code With Virus