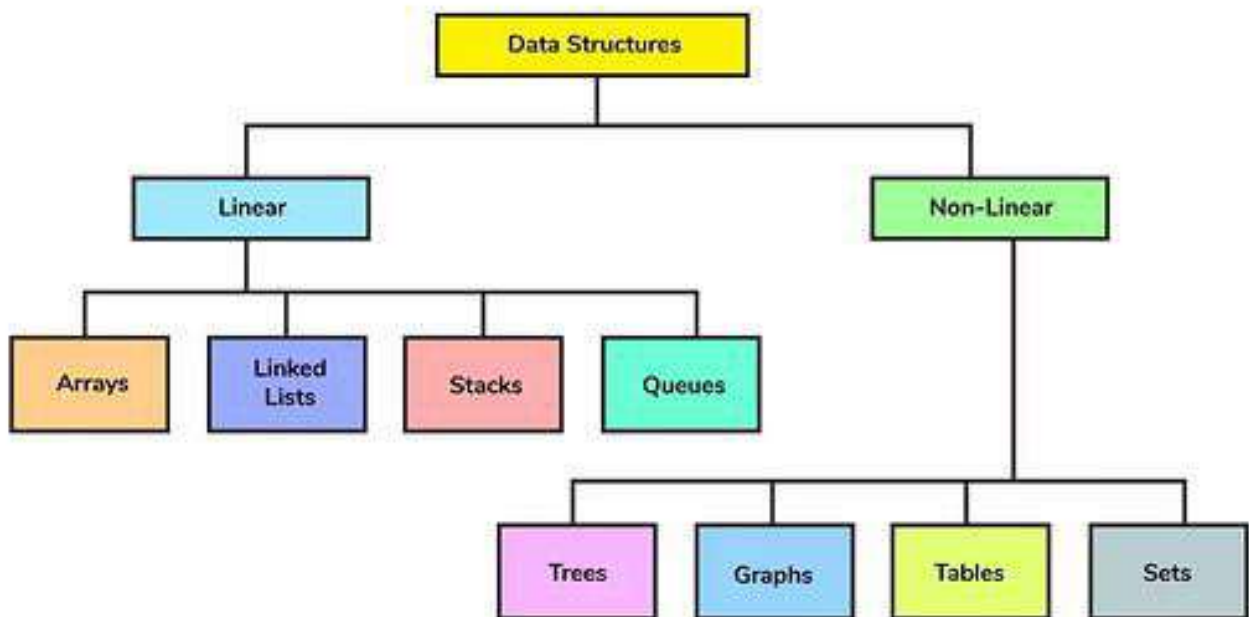


# LEARN DATA STRUCTURES IN REAL-LIFE



Brought you by  
@vairagi.codes

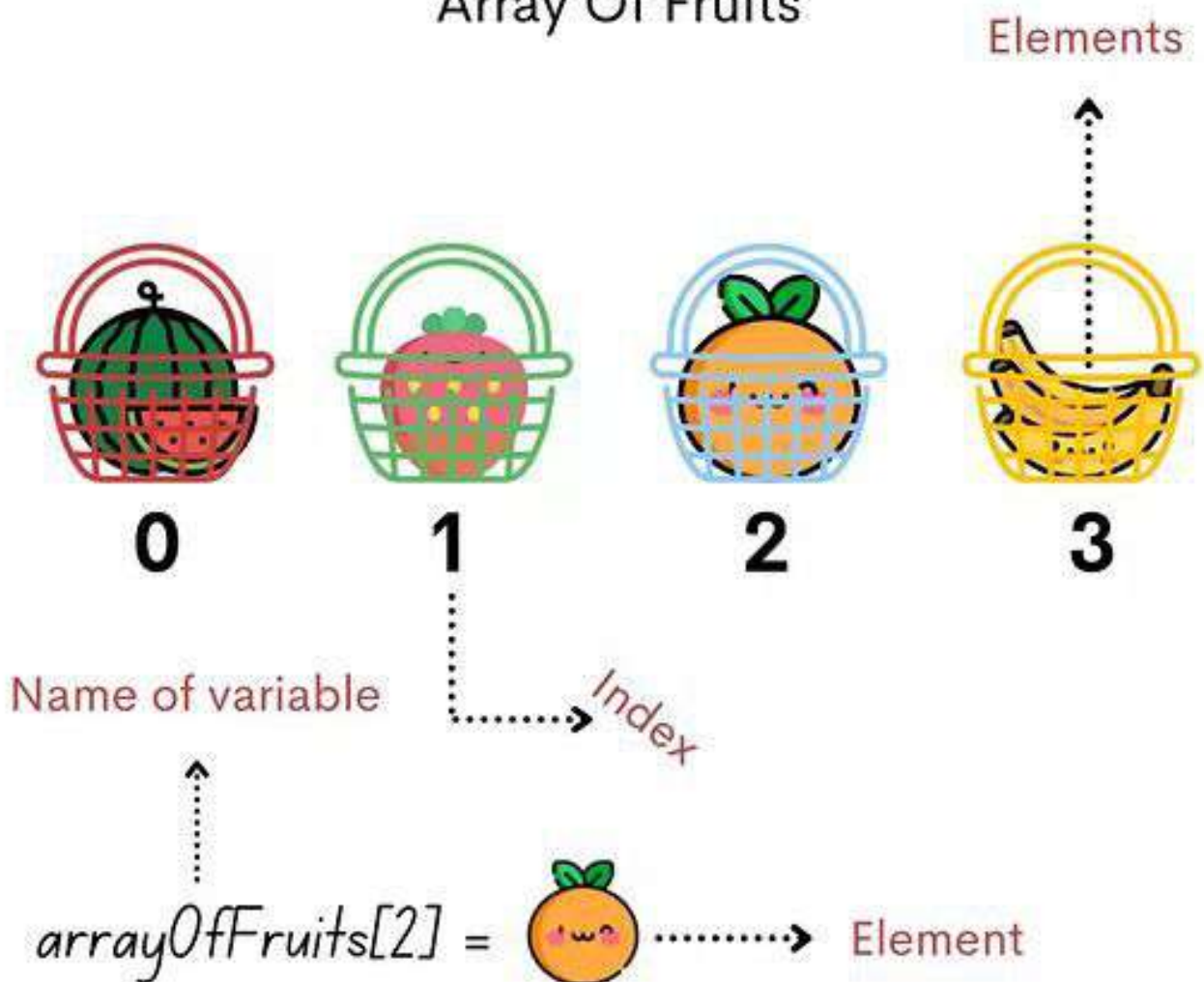




Data Structures are Different  
**Ways Of Organize** Data In Memory

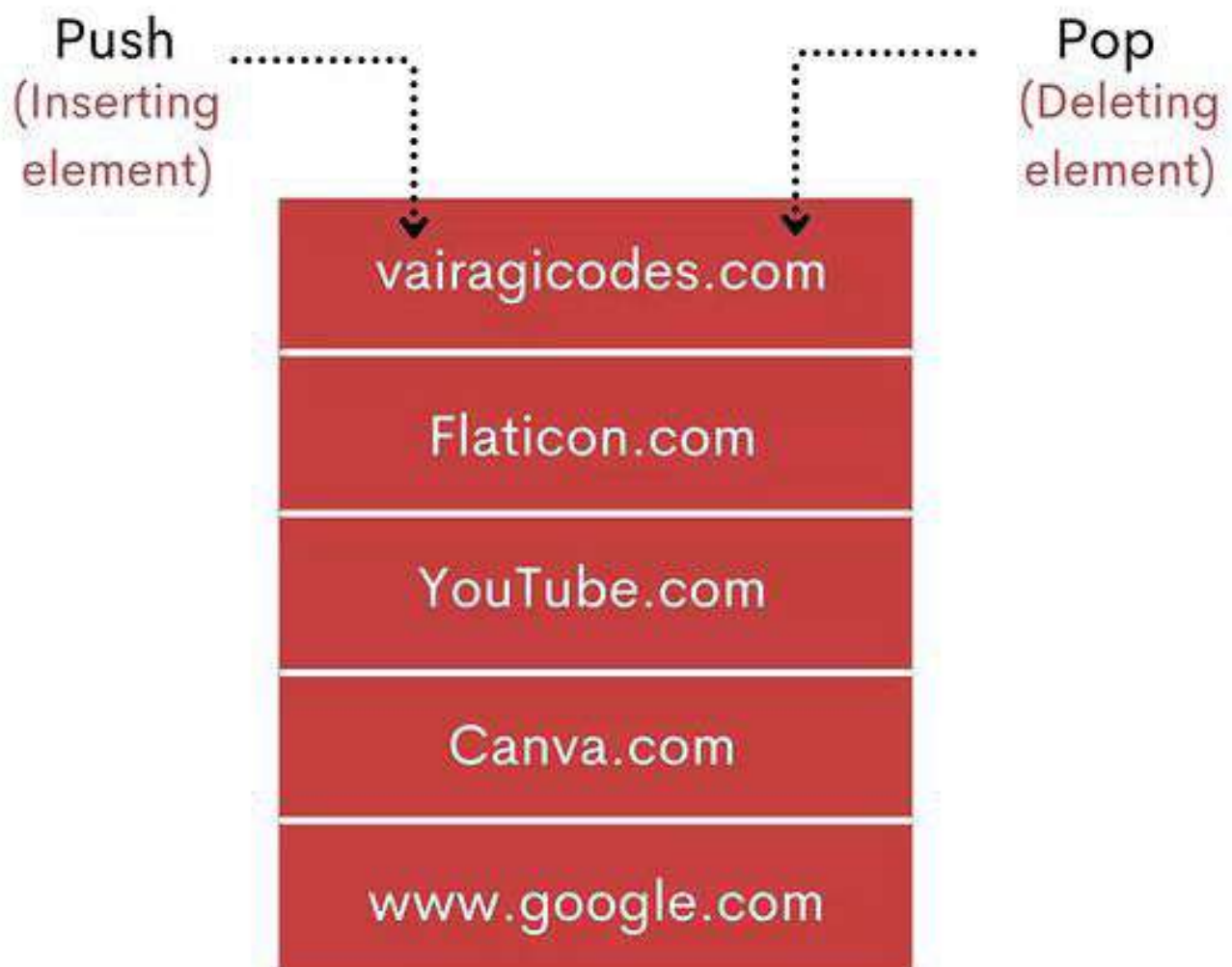
# ARRAY

## Array Of Fruits



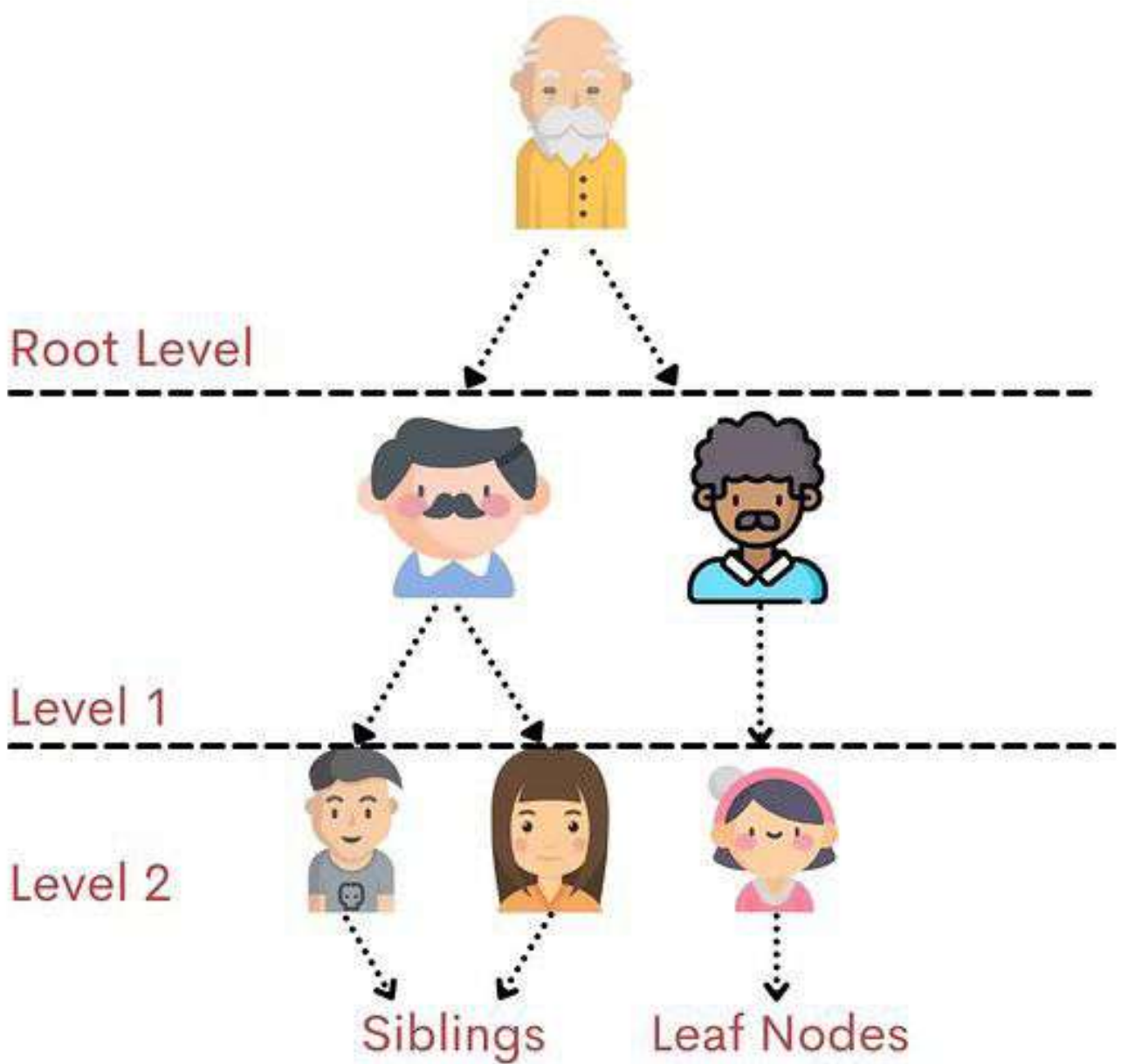
# STACK

Stack Follows LIFO  
(Last In First Out)



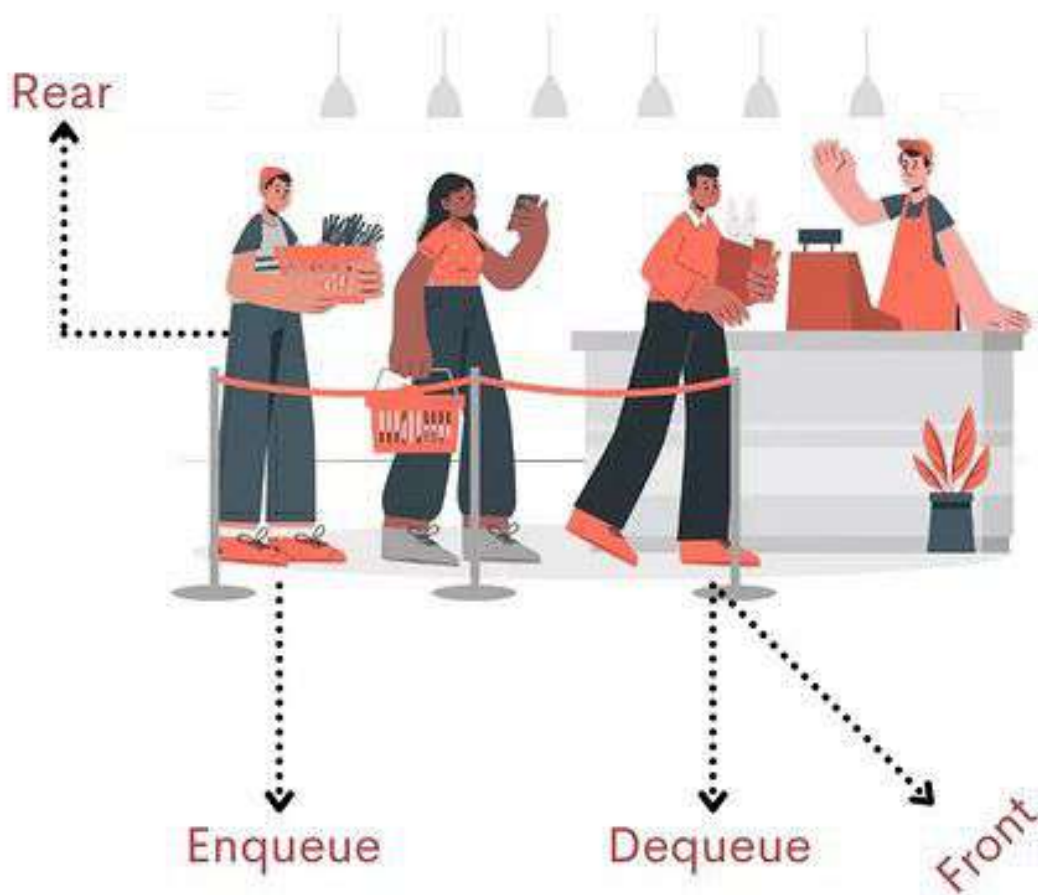
# TREE

## Family Tree



# QUEUE

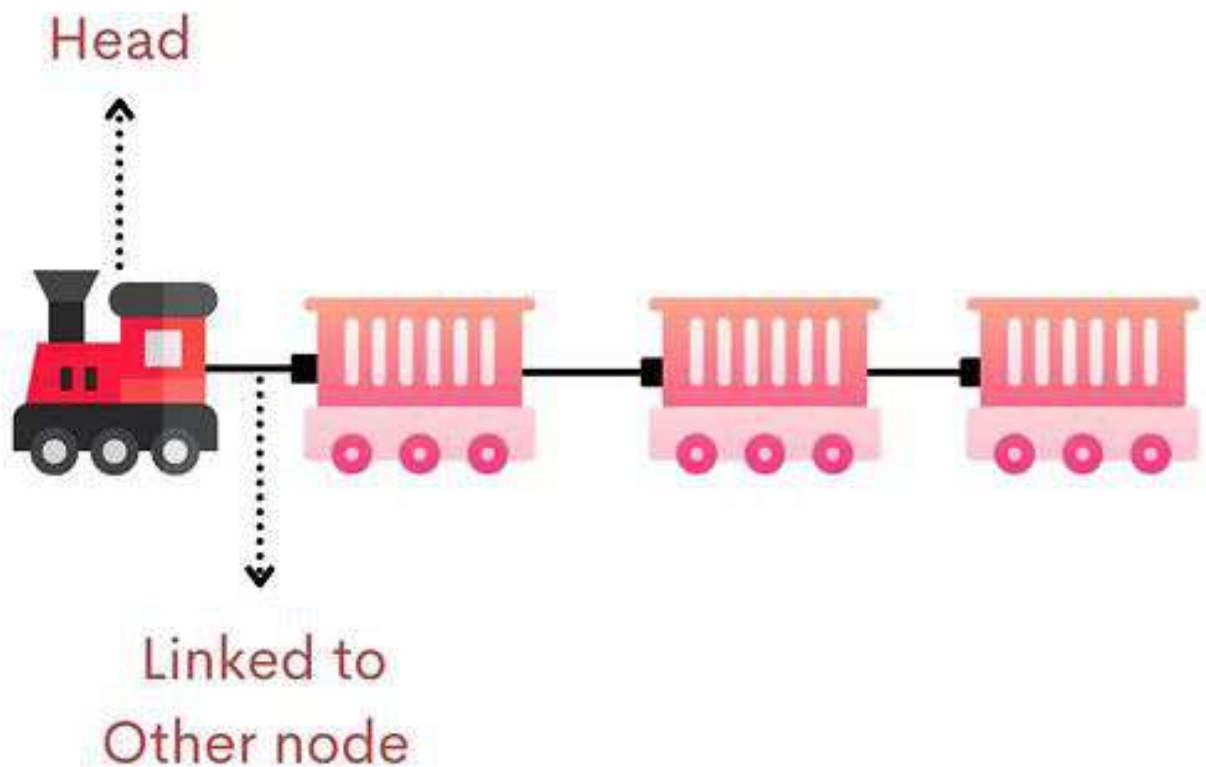
Follows FIFO  
(FIRST IN FIRST OUT)





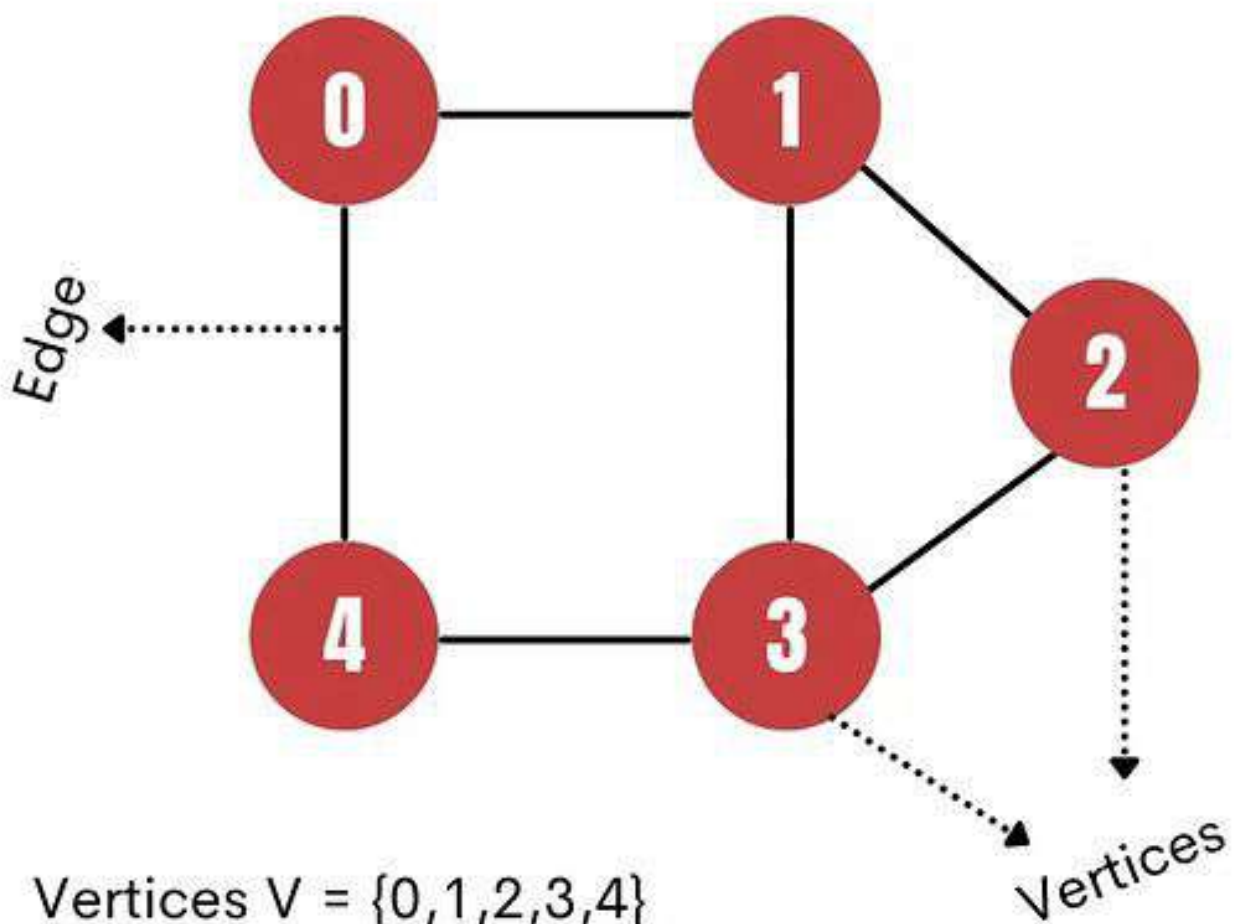
# LINKED-LIST

TRAIN IS THE BEST EXAMPLE  
OF LINKED LIST



# GRAPH

Graphs are used to represent networks



Vertices  $V = \{0, 1, 2, 3, 4\}$

Edges  $E = \{01, 12, 23, 34, 04, 13\}$



# HASH TABLE

Key-value pair

