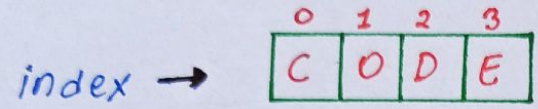
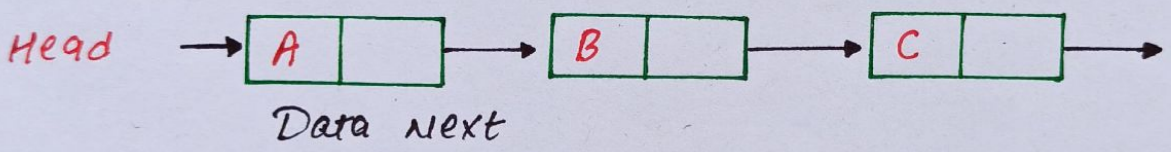
★ DATA STRUCTURE ★

1. **Array :-** An Array is a collection of variables of the same type.



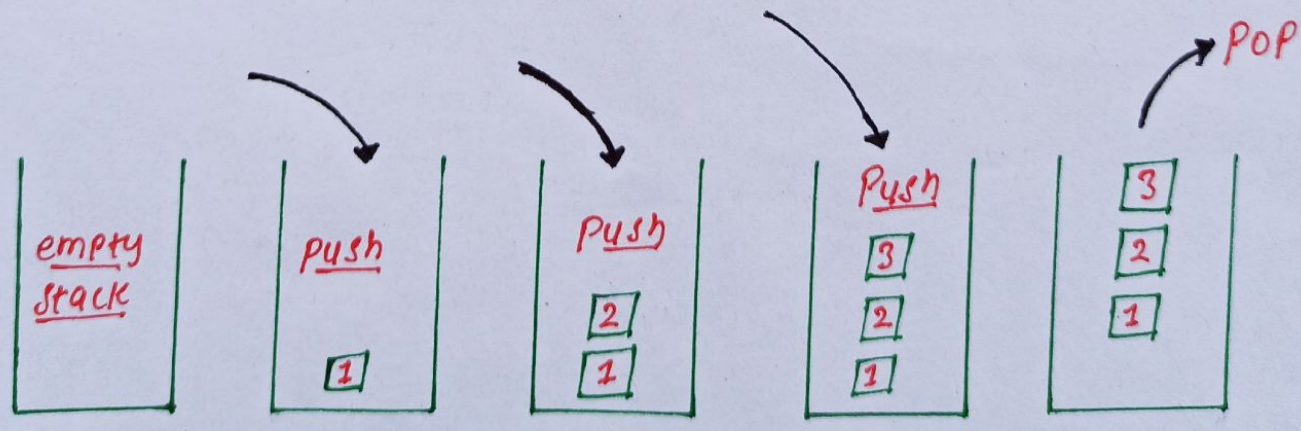
(Fig. Array)

2. **Linked List :-** In linked list the elements are not stored at contigous memory location. The element in a linked list are linked using pointer as shown.



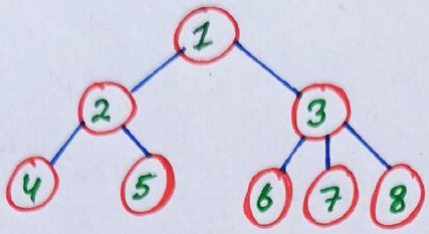
(Fig. linked list).

3. **Stack :-** Stack follows particular order called LIFO (Last In First Out) in which the operations are performed.



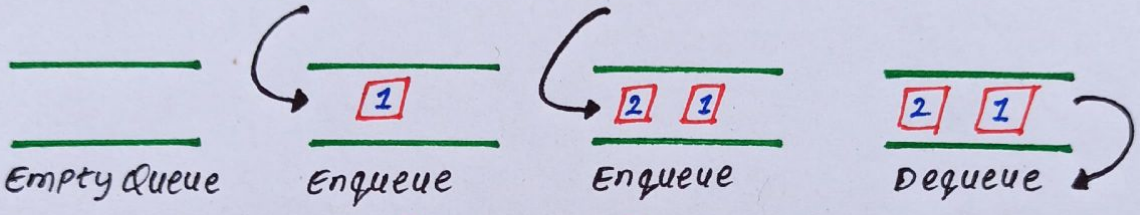
(Fig. stack)

4. **Tree :-** A Tree is a non-linear hierarchical data structure that consist of nodes connected by edge.



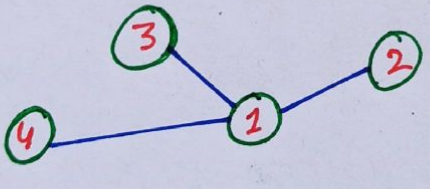
(fig. tree).

5. **Queue :-** Queue follows a particular order called FIFO (First In First Out) in which the operations are performed.



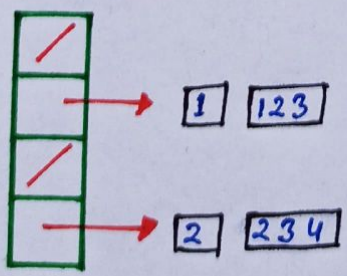
(fig. Queue).

6. **Graph :-** A graph is a collection of nodes that have data and are connected to other nodes.



(fig. graph).

7. **Hash Table :-** Hash table represents data in form of key value in hash table used for indexing data/ values.



(fig. hash table).