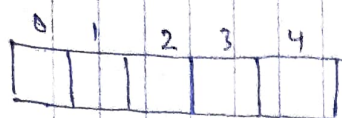


Array

1. It contains elements of same data type.

2. Let $a[5] =$



3. Insertion can be done at any index in the array.

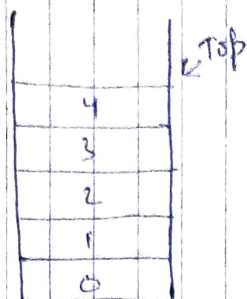
4. Deletion ~~can be done at any index at in the array~~ is not possible in array.

5. Elements are independent of each other.

Stack

1. It can contain elements of diff. data types.

2.



3. Insertion in stack can be done from top only.

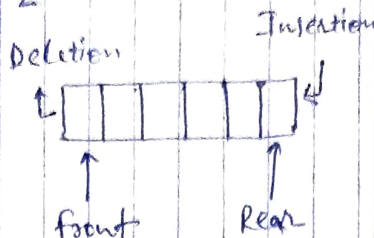
4. Deletion is also done from top in stack.

5. The elements can be added or removed in a LIFO order. (Last-in-first-out)

Queue

1. It can contain elements of diff. data types.

2.



3. Insertion in queue takes place only from rear.

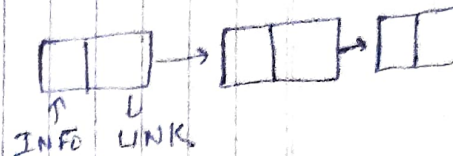
4. Deletion in queue is done from front only.

5. It is based on the working principle of FIFO meaning first-in-first-out.

Linked list

1. It is defined as a collection of nodes.

2.



3. Inserting a new element at any position can be carried out easily.

4. Deleting an element is possible.

5. An element or node points to the next node or both next node and previous node.