

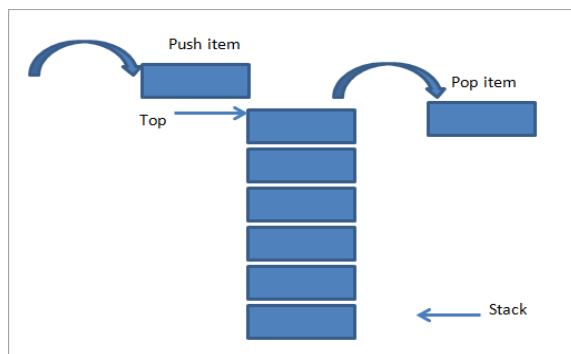
Mercy Technologies

Stacks and Queues:-

Both Stacks and Queues are **Logical data structures**.

Stack :-

- 1) Insertion and Deletion happens at one end only , called as **top**.
- 2) This follows **LIFO** (Last In First Out)
- 3) It supports two main operations :
 - a) **push()** => used for insertion on top.
 - b) **pop()** => used for deletion from top.
- 4) This can be implemented using arrays and linked lists.



Queue:-

- 1) Insertion and Deletion happens at two different ends called as **front** and **rear**.
- 2) This follows **FIFO**(First In First Out)
- 3) It supports two main operations :
 - a) **enqueue()** => used for insertion on top.
 - b) **dequeue()** => used for deletion from top.
- 4) This can be implemented using arrays and linked lists.



Difference between Stack and Queue:-

