

Difference Between Stack and Queue

Stack

In stack the insertion and deletion operation take place only one end called top end

In stack the element which is inserted last is first to delete

Stack require only one pointer called TOP

Example : piles of trays in cafeteria

In stack there is no wastage of memory space.

Queue

In queue insertion operation take place one end and deletion operation take place another end

In queue the element which is inserted first is first to delete

Queue requires two pointers called front and rear.

Example : student at registration counter

In queue even if we have free memory space sometimes we cannot use that space to store elements.