Experiment -15. Queue

Queue

Queue is a linear data structure in which it is open at both the ends. One evol is always used to insert data and the other end is used to remove the data. Queue follows first-in-first-out methodology is the dector Queue follows for them stored first will be accessed first will be accessed.

Example:-

Lowe examples of the queue in real life are-

* people on a escalator

* casher line in a store

XA car wash line

* One way exits

Set us take an empty queile:

0 1 2 3 4

Front Real

Infially, the head (Front) and fail (rear) of the queue points to at the first index of the array, i.e. from 'o'. As we keep on adding elements, the rear Keeps on moving a head.

Mous, let us add an element in the queue. The front will ranger. at Index 0. Klhereas the year will move one index to the forward 40 Alow let us add another element-Mow the rear will move to index 3. Fron-Now let us add another element, Now the year will remain at index 4. Front To remove an element from the queul, we remove the element from front position and then move front to the next position. Let us remove the first element which is at index position O. The element is 1. After removing the index o will be empty (as the element is removed) and the front will point to the next index, I.e. 1. 1 2 3 4 -> initial Queue Front 1 2 3 4

