

In this lecture we are going to talk about DQ that is double ended queue Right. We will discuss what is DQ how this is different from the Q " word you can say linear to and circular queue fine as well as we will see some types of this DQ and some applications of BQ. we'll discuss about a double ended queues. Sometimes it is also known as dec fine. stagner horizontally if you will represent it something like this right. This is the one end from where you can insert and from here. Also you can delete. from it insertion can be from one end. You can say from this and deletion will be from this end. So you can implement this thing. Using this DQ. can use that it as a stack and queue.. There are four types of operations you can perform on a DQ that. We will discuss in the next video with proper code. other than these two operations are also there that is is full and is empty. Right. This operation is going to return true if the DQ is full otherwise falls and smpt..

DQ-C can be used to perform the redo and undo operations.. It can also be used as a palindrome checker.. It has the property of both stack and queue. DQ using circular adding or you can implement it using linked list also doubly linked list. there can be many more applications of this DQ other than these three that we have discussed here fine, but I guess this is fine for the introduction of DQ in next video. We will discuss how to implement double ended queue using circular arrays. the next video will show how to use circular arrays in the next video.

Preview from Notesale.co.uk
Page 1 of 1