SESSION 5: QUEUE

1. Definition

- Linear Data Structure
- Follows FIFO (First IN First Out)
  i.e, we remove the element that was inserted first

2. Pointers

- Two pointers are maintained:
  - FRONT – to push data element
  - REAR/ BACK – to pop data element

3. Data handling and Memory Allocation

- Similar to stack

4. Difference between Stack and Queue

- **Click here...**

5. Declaration and Initialization

- Similar to Stack

6. Functions and Operations

- **Click here...**

7. Applications of Queue

- **Click here...**

8. Variations/ Extensions/ Types of Queue

- **DEQUE (Double ended queue)**
- **Priority Queue**

END NOTE

Hope this proves to be useful to you. If you have any doubts regarding the content in this doc or any other related (or unrelated) topic please contact me. I am as excited for this as you are. Any and every feedback is appreciated.

We will try to continue preparing documents suited to your need so that you can have a look on your own whenever you feel like it. ***Remember that programming is actually a self-taught thing. There exists no one who can teach you programming, just the ones who do it with you and you all learn in the process.***

Good day!

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