Summary

Sessions (15-02-2023)

- If we want to store data in the RAM then there are only two ways available. Either we can use **continuous or non-continuous** ways. And if we use continuous then we can use **array** data structure and if we use non-continuous way then we can use **linked list**. It only depends on our final use case.

- But if we want to organize or arrange data in the RAM then we can use some pattern. For example we accept the multiple data and store it in the RAM then whichever data comes first we can use that data and do something.Then this kind of way is known as **FIFO(First come first out)**. Eg. Movie booking counter line, Sending an SMS from bank, etc.

- In the market there are multiple patterns available for accessing the data or organizing the data. But if we want a FIFO kind of operation then **Queue** is the data structure which stores data in either array or linked list and access the data whoever comes first.

- POP operation : Access + Delete data

- PUSH operation : Append data