# DS and Algo Master Reference

## General Data structure

### Linked list

Nodes linked together

Private class Node

{

object item;

Node Next;

}

### Arrays

## Linear Data Structure

### Stack

LIFO. Operations: Insert(Push), Remove(pop), iterate, test if empty, size. Implemented using array or linked list. Max size should be given during initialization. In case of array.

### Queue

FIFO.

### Linked List

## Sample Problems: Refer Github

## References

Coursera: <https://www.coursera.org/learn/algorithms-part1?action=enroll>

Github: https://github.com/BalajiBaskaran24/DotnetDev/tree/main/DSAndAlgoSample/DSAndAlgoReference