DATA STRUCTURE SESSION

O U T L I N E

Please do the following if you are a participant:

1. Open a Github account : https://github.com/

2. Join this Slack channel : https://csspree.slack.com/

#	Topic
Day 1	Introduction to Data Structure, Struct, Class, Object and Method
Day 2	Introduction to Linked List, Implementation and Operations (Traversal, Search, Insert, Delete)
Day 3	Applications of Linked List (Stack, Queue, Double Ended Queue)
Day 4	Introduction to Multidimensional Array, Graph Representation (Adjacency Matrix/List), Simple Graph Traversal (Depth First Search)
Day 5	(Graph contd.) Introduction to Trees, Binary Search Tree, Heap
Day 6	Advanced Data Structures (Disjoint Set Union, Segment Tree) Final Notes

- We will use C++ to implement the data structures. If you need a refresher: https://www.sololearn.com/Play/CPlusPlus/
- You will be given approximately 5 tasks after every session. You should complete them before the next session.
- Resources and materials should be read and revised carefully to get full benefit of the sessions.

#csspree