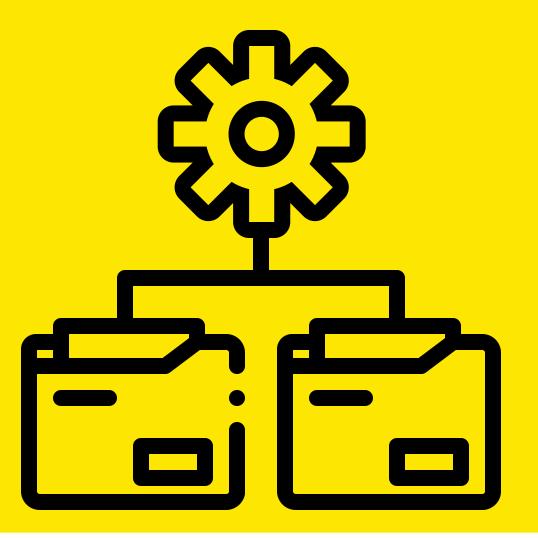


REAL LIFE DATA STRUCTURES APPLICATION







- MS Excel uses DAG (Directed Acyclic Graphs).
- On all social media networking sites, every user is Node, uses the graph to suggest friends.
- Flight Networks.
- React's virtual DOM uses
 graph data structures.





- Undo/Redo button/operation in word processors.
- Wearing/Removing Bangles.
- Pile of Dinner Plates.
- Stacked chairs.
- Changing wearables on a cold evening, first in, comes out at last.
- Browser History:) of visited websites.





- Databases also use B-Tree data structures for indexing.
- Domain Name
 Server (DNS) also
 uses tree structures.
 The file system of computer or mobile
 - Code Compression (zip), DOM in Html.





- Train coaches are connected to one another in a doubly-linked list fashion.
- Music Players next, previous buttons use doubly/circular linked list based on our preference.
- Escalators List. Circular linked
- Social media content"feeds".





- Operating System
 uses queues for
 job/task scheduling.
- Printer spooler.
- Sending emails.
- Car washes queue.
- Server while responding to requests





- Playing Cards with your friends (Insertion Sort).
- Order things by their value.
- Backend Databases (Merge Sort).
- sort() uses IntroSort (a hybrid of Quicksort,
 Heapsort, and Insertion
 Sort), Faster than
 qsort().

SORTING ALGORITHM:



- 2D arrays (as matrix), are used in image processing.
- Sudoku or Chess Board are 2D arrays.
- In an online exam question paper numbering.
- Book titles in a Library Management Systems.
- Online ticket booking.
- Contacts on a cell phone.





FOR MORE SUCH CONTENT Be a Part

