

DSA (Data Structure and Algorithm)

- 1) Array
- 2) Linked List
- 3) Stack
- 4) Queue
- 5) Tree
- 6) Graph

UNDO → Ctrl + Z (Last In first Out)
↳ Stack

Real Life Applications
Booking → Ola, Uber (Graph) (Network) ↳ BFS

Spotify → Next → Next music
↳ Previous → Previous music
Linked List

E-commerce (Doubly Linked List, circular Linked List)

Root Node

Product

↳ subproduct

Internal Node

↳ final product

↳ **Leaf Node**

↳ Tree Based Data Structure

Student marks

55
95
80
85
70

(Linked List)

searching (array)
(frequent)

insertion,
deletion
(frequent)