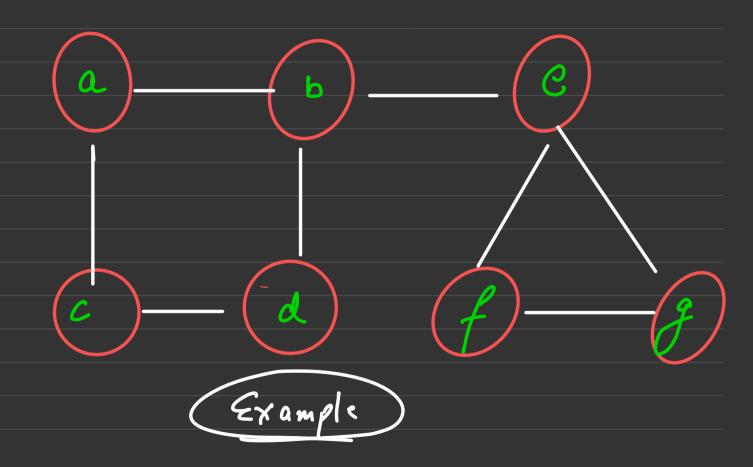




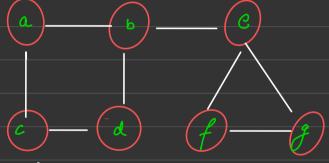
Graph is a graph 3?

Ciraph is a non linear Data Structure which represents relationship btw 2 entities Relationship - edges

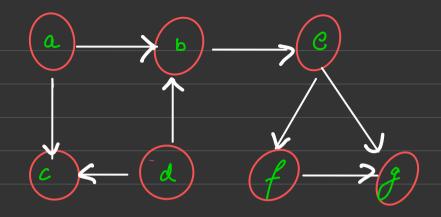


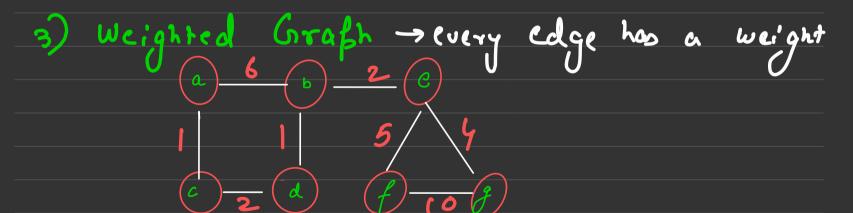
Type of graph-

1) Undirected Grouph where edges donot
have directions a be

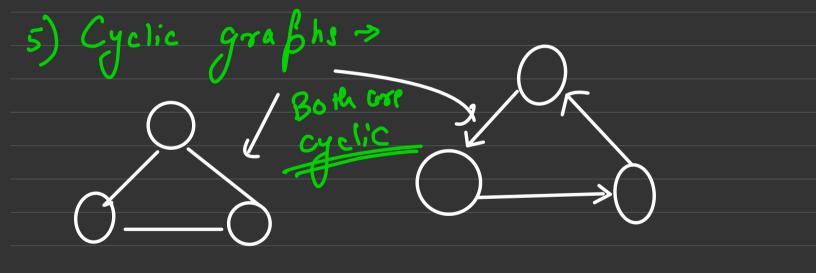


2) Directed Graphs -> edges haw directions





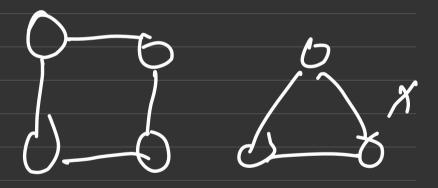




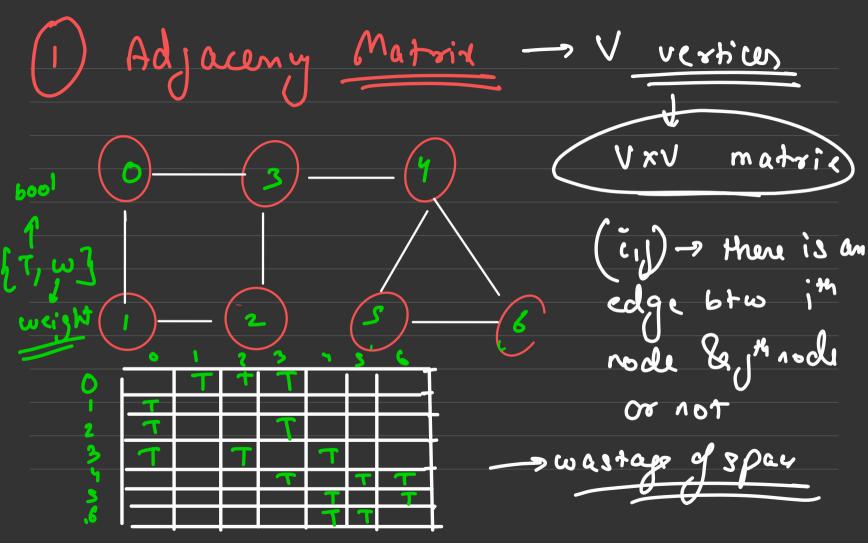
TREE -> It is an undirected acyclic grafit where any 2 rodes are connected only one bath

Dense graph Sparse graph

Connected grooph

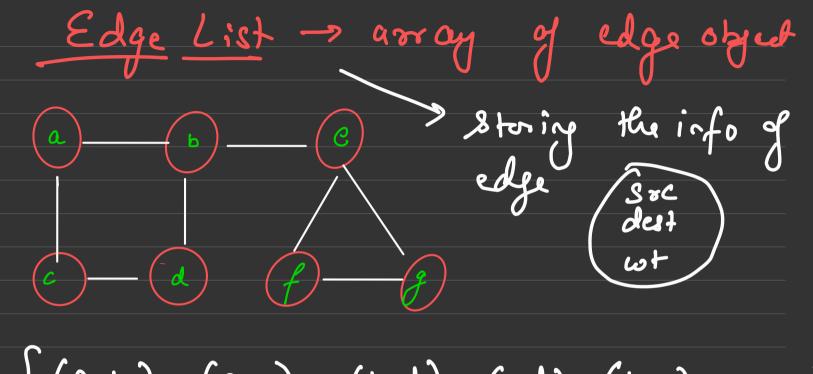


How To Represent A Graph -> Adjacency Matrix -> Adjacency List -> Adjacency Map -> Edge list



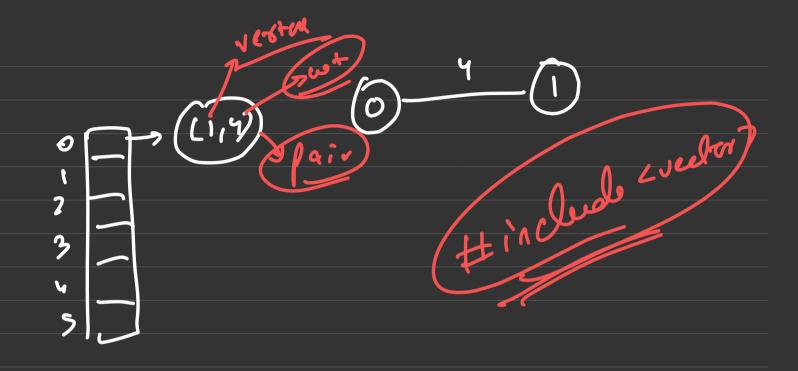
aceny List -> array of LL vector of vector $D(v+\varepsilon)$

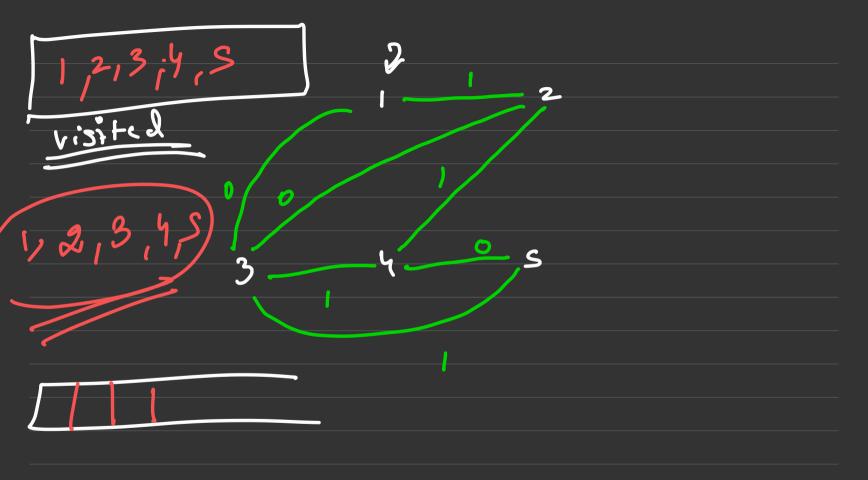




[(a,b), (a,c), (b,d), (c,d), (b,e) ----
(kruokalo)

first: 2 Second', y p. first -





Graph Traversal

1) BREADTH FIRST TRAVERSAL/SEARM
(Bf5)

2) DEPTH FIRST TRAVERSAL SEARCH CDFS)

BFS -> In this troversal, we select a node and traverse the graph layerwise Clevelwis thus exploring the neighbour nodes first a, b, c, e, d, f, 9

