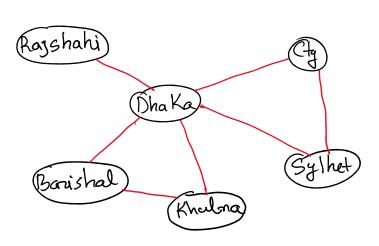
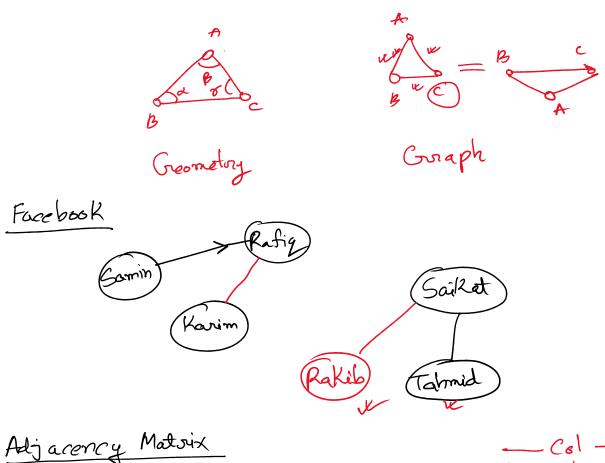
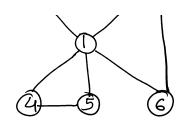
Graph:



Ventex/Node: Ohalla, Ctg, Khulna ----

Edges





20 Aarray J

you will be given

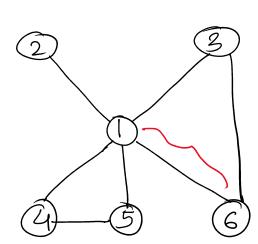
N number of nodes.

=> T.C:O(N2) Searching: O(1)

M.C : 0 (N2)

1 < N < 105

## Adjacency List:



T.C: O (number of edges)

M.c. O (number of edges)

Seanching: O(Size of a list)

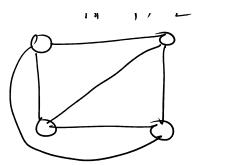
Input :

17 N 5 10 5

N=4, E= 6

## Input &

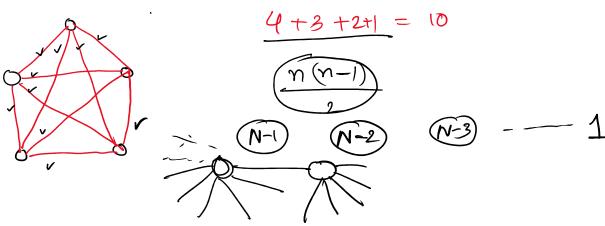
17 N 5 10 2 14E4 105



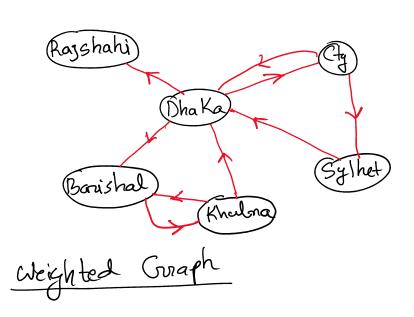
Sparge Graph: Very low number of edges

Dense Graph: Very High number of edges

Maximum Edges = 9



## Directed/Undirected

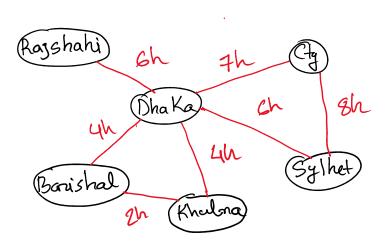


Undirected Graph/ B1-directional Graph

Directional Graph/ Uni directional Graph

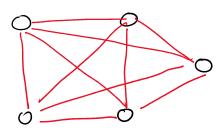
Unweighted Graph

Unweighted wapn

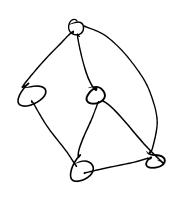


weighted Groph

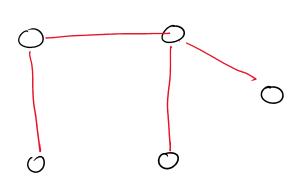
Complete Graph



Connected Disconnected Graph



Discormated Crraphs



Connected Geraph

Cycle \$ ouest Edges Highest Edges N-1 Component Foresto. Rost

BFS ->

DFS ->

Shortesh Path -> DizKastora

Discrete Math Book ( Rosen