

Graph - finite number of nodes / vertices.

Nodes - connections \rightarrow Edges.

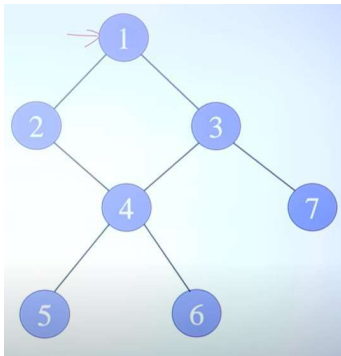
① Directed



② Undirected



Graph Traversal



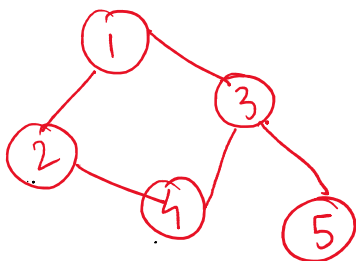
Representation of Graph

① Adjacency Matrix ② Adjacency List

\downarrow
Matrix. ($n^2 \Rightarrow n = \text{no of nodes}$) 7×7

	1	2	3	4	5
1	0	1	1		
2	1	0	0	1	
3	1	0	0	1	1
4		1	1	0	
5			1		

5x5



Cell (2,3) \rightarrow Node 2 \rightarrow Node 3

↓

0

② Adjacency list -

List of List.

