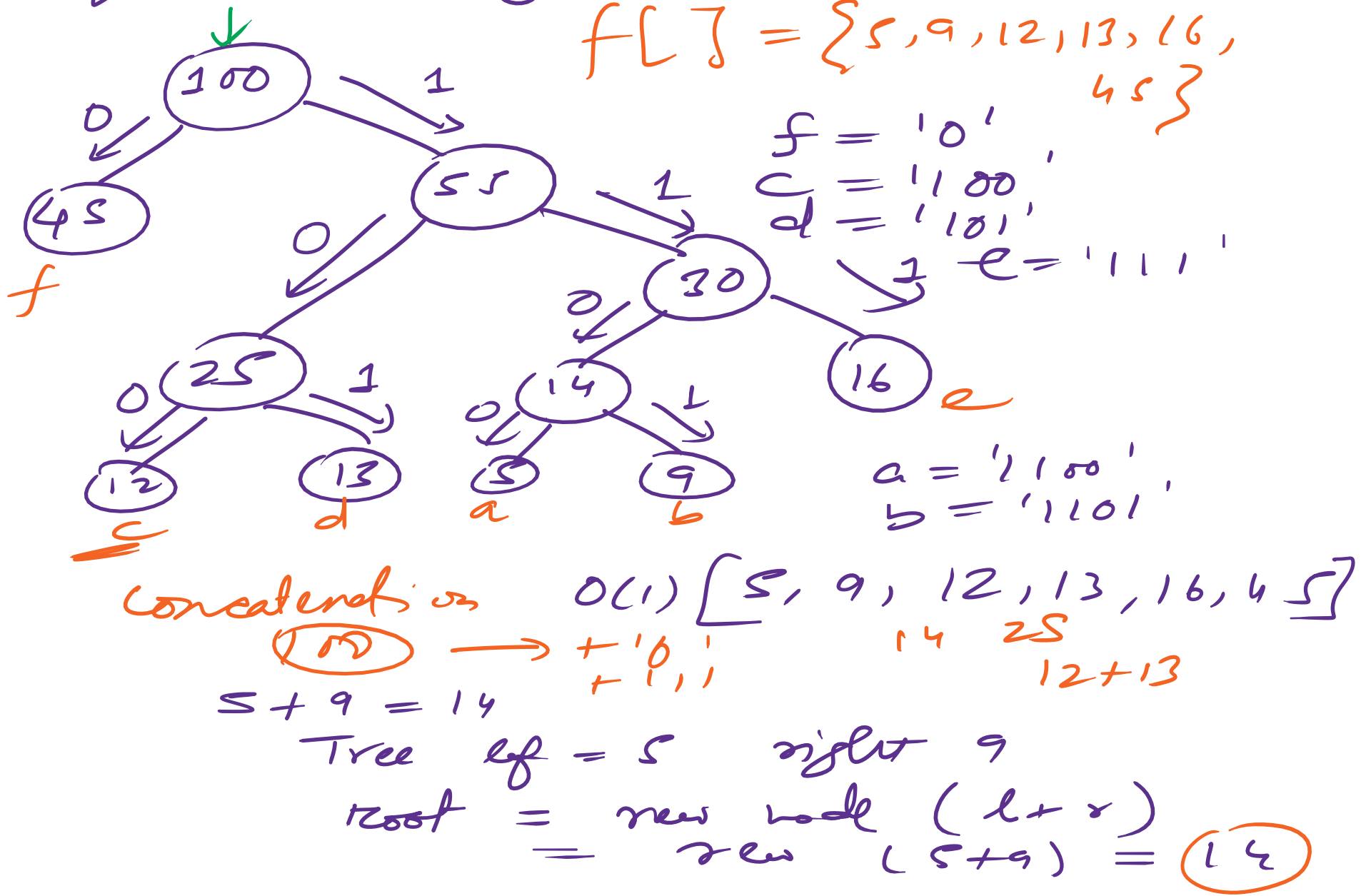


Huffman Encoding \rightarrow $S = "abcdef"$
 $fL = \{5, 9, 12, 13, 16, 45\}$



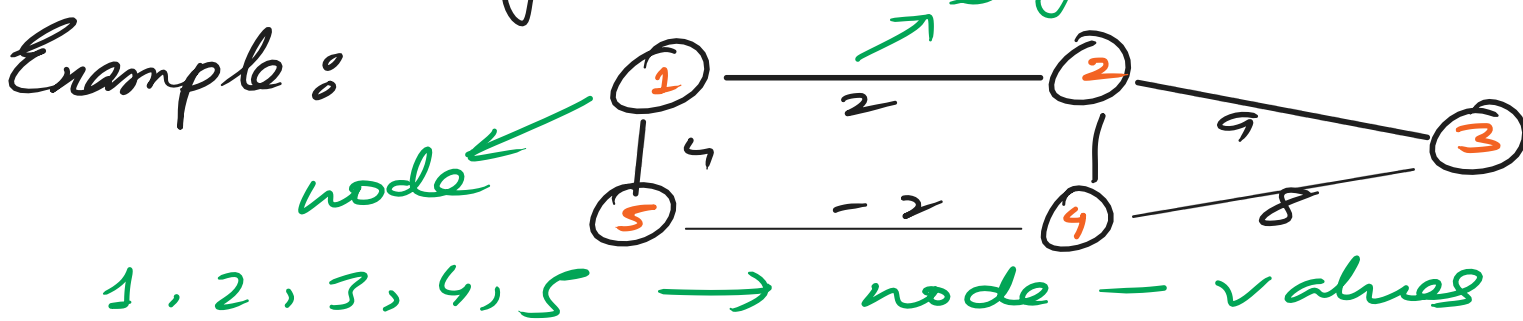
Types of interfaces \rightarrow "SAM" Single Abstract Method
 ① SAM Interface ? \rightarrow Functional Interface ? regex

Lambda Expressions \rightarrow "

Senior Citizens \rightarrow Upper Case & Lower Case
 \downarrow
samar \rightarrow Samar
Pattern/Match \downarrow Access \checkmark

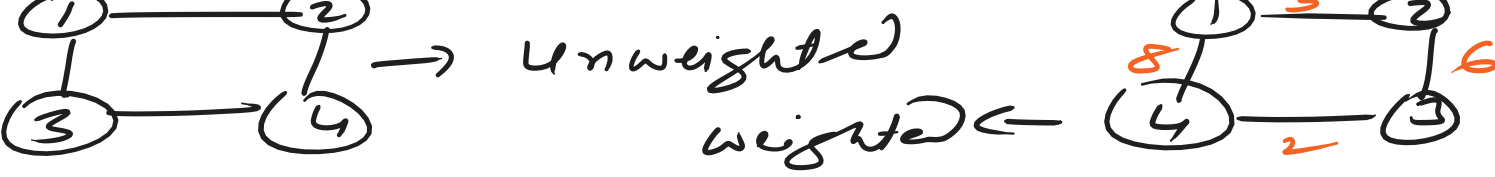
Introduction to Graphs :

* A graph is a non-linear data structure containing entities called nodes. The nodes are connected to each other via edges.

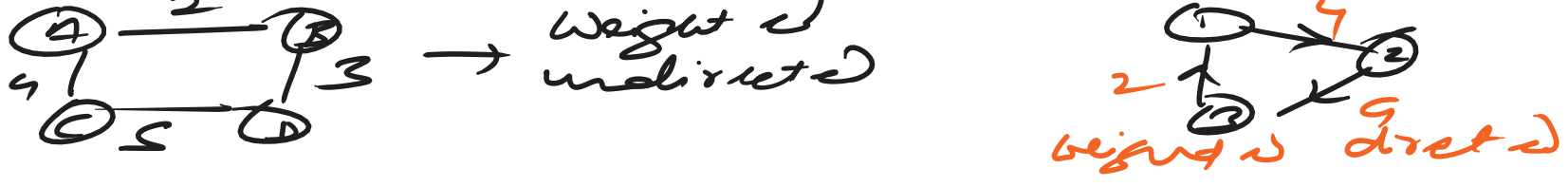


* Based on connectivity \rightarrow 2 types
 Undirected:
 Directed:

* Based on edges & weights:



* Based on weight & direction:



* Undirected cyclic graph:
 Directed Cyclic Graph:

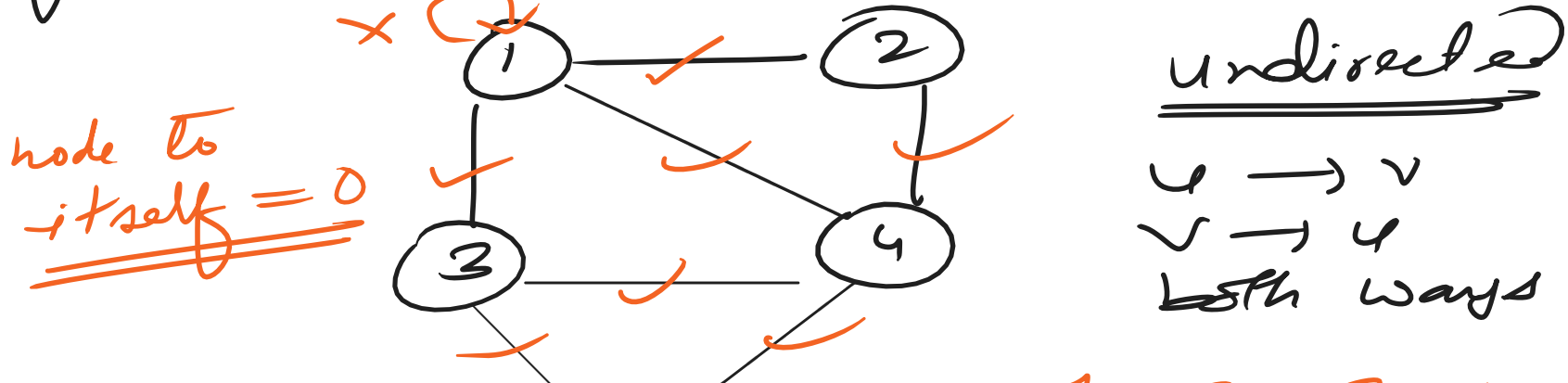
* DAG \rightarrow Directed Acyclic Graph:

* Connected graph:
 Disconnected graph:

* Bipartite graph \rightarrow

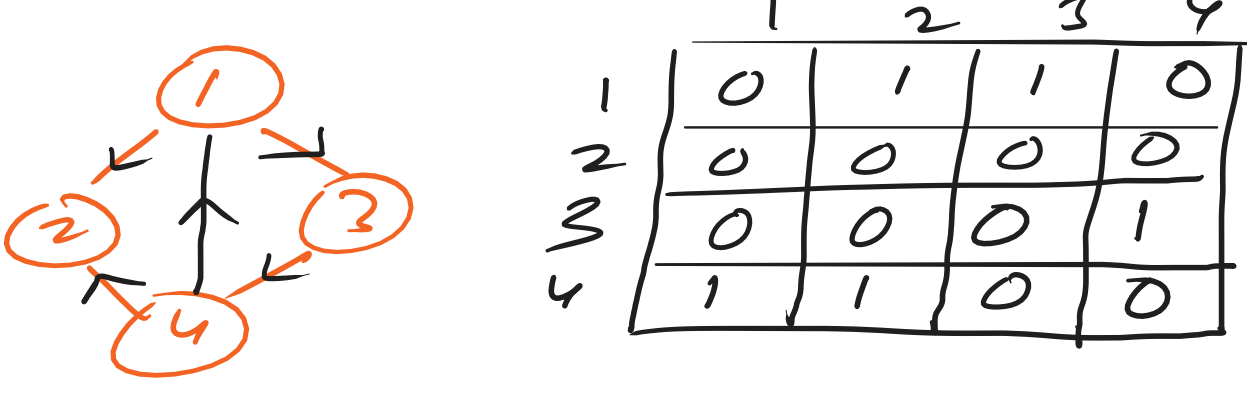


Graph Representations \rightarrow



① Adjacency Matrix \rightarrow

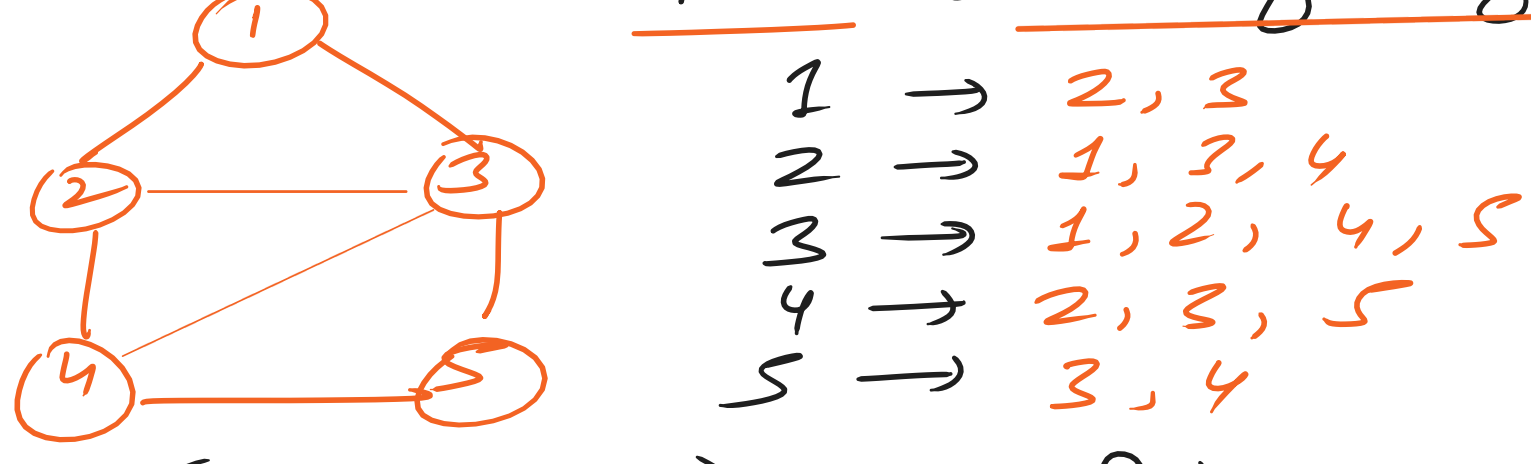
	1	2	3	4	5
1	0	1	1	1	0
2	1	0	0	1	0
3	1	0	0	1	1
4	1	1	1	0	1
5	0	0	1	1	0



Graph Representation :

Adjacency List \rightarrow [Interview Questions]

Node : List of Neighbours



(BFS / DFS) \rightarrow adj List