

## Graph Traversal & Graph Traversal Algorithm: 25

- Graph traversal refers to the process of visiting (checking and / or ~~up~~ updating) each vertex (node) in a graph.
- Sequence of steps known as Graph traversal algorithm can be used to traverse a graph.
- Two Algorithms of Graph Traversal are:
  - Breadth First Search (BFS) → QUEUE DS
  - Depth First Search (DFS) → STACK DS

### Exploring a Vertex (NODE)

- We have already looked into tree traversal algorithms in our section on trees.
- In a typical Graph Traversal algorithm, we traverse through (or visit) all the nodes of a graph and add it to the collection of visited nodes.
- Exploring a vertex in a graph means visiting all the connected vertices.