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**Question 2** (10 marks)

**One question** on graph algorithms (using say DFS and/or BFS), for example,

- `hasPath(G, src, dest)`, [goto the slide](#)
  - `findPath(G, src, dest)`, [goto the slide](#)
  - `findPathBFS(G, src, dest)`, [goto the slide](#)
  - `dfsCycleCheck(G, v)`, [goto the slide](#)
  - `components(G)`, [goto the slide](#)
  - `countReachableNodes(G, v)`, count number of nodes reachable from node "v" in a directed graph "g".
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