1. Define the interface for an undirected weighted graph with the following methods:
   1. isConnected() - it will return true if the graph is a connected graph. Use depth first search for this purpose. DFS can be implemented using stack.
   2. reachable(a) - it will return all the nodes that are reachable from node a
   3. mst() - it will return the minimum spanning tree for the graph using the greedy approach
   4. shortestPath(a,b) - it will return the shortest path from node a to node b using Dijkstra’s algorithm.
2. Implement the above interface using the edge list representation.
3. Use **Quick Sort** algorithm to sort a **linked-list** of employees in descending order with the following strategy:-
   1. The employee with the highest salary should be the first in the linked list and the one with the lowest salary should be last.
   2. In case of a tie, an employee with a smaller age should go first.

**Note** - **Do NOT use any Java Collections API**