**Question:** Create an undirected graph of at least 10 vertices and 15 edges.

Draw the graph and include the graph image in your submission.

1. Do A DFS traversal on the graph.

   Print the graph before traversal - adjacency matrix or adjacency list

   print the start vertex of your dfs

   print the nodes in the order they were visited.

2. Do a BFS traversal for the same graph.

     Print the nodes in the order they are visited for the dfs traversal.

**Assumptions and Steps followed**:

1. Below undirected and disconnected graph has been considered.

1. Graph has been represented using the method of Adjacency List. This is achieved using HashMap where Key was all possible nodes and Value was the List of all nodes connected to the key node.

**Output Screenshot:**

A screenshot of a cell phone

Description automatically generated