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### Assignment-8 on Graph

1. Generate a DISCONNECTED graph having atleast 25 nodes and more than 100 random edges. Show the *adjacency matrix* or the *adjacency list* representations of the graph
2. Implement a **breadth-first search (BFS)** for this graph. Assume the starting vertex, order of selecting vertices, and other specifications by yourself, and comment these assumptions in the code itself.
3. Report the following in the code itself:
  - Compute the number of components in your graph using BFS (any one)
  - Report the vertex order for BFS

(the .c/.cpp file(s), output screenshots, and a PDF showing the random disconnected graph)

(7.5 + 7.5 + 5)