

Submission instructions:

- 1) Draw a graph and create corresponding adjacency matrix and adjacency list for that graph. (No need to take any kind of file input / output). Your graph must have a **minimum of 7 vertices** and a **minimum of 16 edges**. During the submission, **submit the graph (as an image) as well**.

Website for drawing graphs: https://csacademy.com/app/graph_editor/

- 2) For the adjacency matrix, use a 2D array. The number of rows of the 2D array will be the total number of nodes in the graph.
- 3) For the adjacency list, use a linked list. All the heads of the linked lists will be stored in a 1D array. The length of the 1D array will be equal to the number of total nodes in the graph. For the linked list, **you have to design the Node class**.
- 4) You can not use any data structures other than arrays and linked lists.