

CSCE 451 Lab1

Due July 8 at 3:00pm

A graph class in python

In this lab we build a class for representing a graph data structure.

Your graph class possibly contains the following methods:

- `add_vertex (node)`
- `get_vertex(node)`
- `add_edge(from_edge, to_edge, weight)`
- `get_vertices()`
- `graph_summery()`

It is more appropriate if we build a separate class for vertices. The Vertex class contains the following methods:

- `add_neighbor(neighbor, weight)`
- `get_connections()`
- `get_id()`
- `get_weight(neighbor)`

After finishing the code lets test our code with the following graph and observe the result.

