

COSC 2007 Section O & LAB O

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#### Assignment 4

Pseudocode/Algorithm:

1. Create a graph class with a map of vertices and their adjacent vertices
2. Create a method to add a vertex to the graph
3. Create a method to add an edge between two vertices weighted.
4. Create a method to perform a Djikstra's Algo of the graph
5. In the main method, create a graph object
6. Add vertices to the graph
7. Add edges to the graph
8. Call the breadth printDjikstra's Algo method on the graph object
9. Print the results

Code:

No input necessary

Output:

The algorithm works as expected.