
CISC 610 ASSIGNMENT 4

DUE DATE: DECEMBER 05, 2016 BEFORE MIDNIGHT

1 Description

In this assignment you are required to design and implement a data structure for a social network (e.g., Facebook, LinkedIn, etc). You would also be required to implement an algorithm to show the connection, or path, between two people (e.g., $Me \rightarrow John \rightarrow Jill \rightarrow Ahmad \rightarrow You$).

Your program should be able to accomplish the following:

- Your program should be able to create an initial network of at least 10 people.
- Your program should print the entire network with the connections.
- It should accept the names of two people as an argument and display the path between those two people.
- Your program should be able to print the network at different hops with hop as an input, for e.g., a list of all the friends who are just one step away, two steps away and so on depending on the input value for the hop and the person in the network.

1.1 Submission

Save your source code (.py, .java, .cpp, .c) files and upload it on Moodle.

Note: Submitting wrong files or in the wrong format will not be accepted nor will any re-submission be allowed for any such mistake.