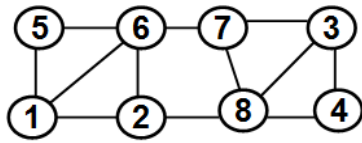Student Name: _____   J#: _____

CSC 641 Network Science
Spring 2017
Instructor: Dr. Natarajan Meghanathan
Quiz 3 (Take Home)

Due: April 18, 2017 (4 PM, in class). Submit a printed hardcopy in class (with this quiz sheet as a cover page and your name and J# on the top of the sheet).
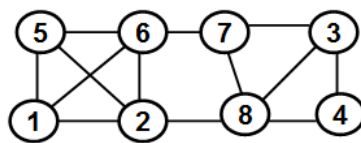----------

Given a graph below, run the complete linkage clustering algorithm to determine a modular partitioning of the graph into communities.
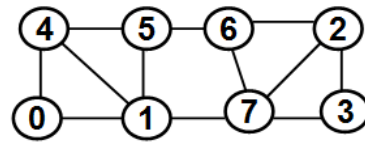(a) Show the entire hierarchy
(b) Run the pairwise modularity program to compute the modularity of each of your clusters and prune the branches of the hierarchy and determine the modularity score of the final partition.
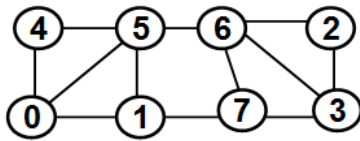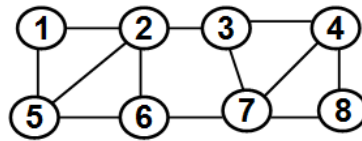(c) Determine the internal and external densities of each of the communities of the final partition.
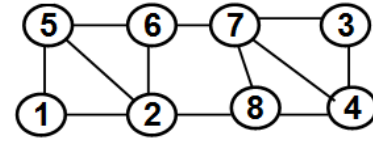

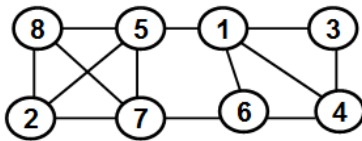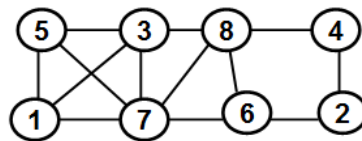Ashley Abraham

Jonathan Adams

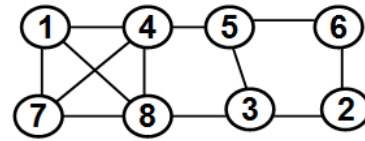Uzochukwu Akabueze

Mahzabin Akhter
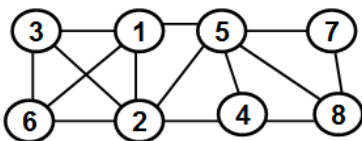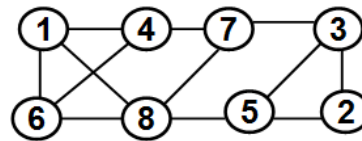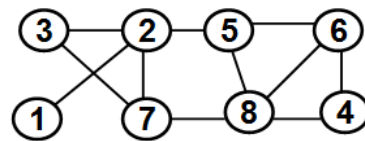
Omar Aljawfi

Bejnamin Garlington

Md Mohiuddin Hasan

Anthony Lam

Peter Lowe

Md A. Rahman

Maruful A. Sumon

Ying Zhang