[CS302-Data Structures] Quiz 8

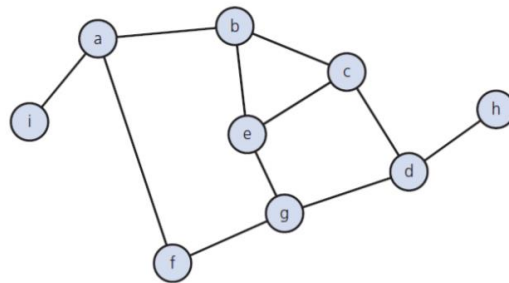*Instructor:* Kostas Alexis
Teaching Assistants: Shehryar Khattak, Mustafa Solmaz
Fall 2018 Semester
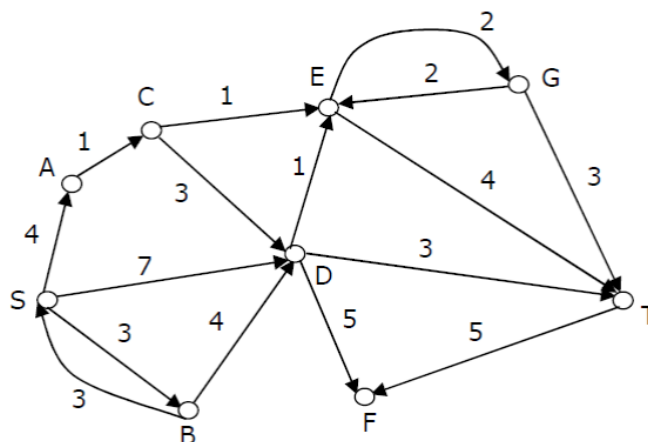
Student First Name _____ **Student Last Name** _____
Student NSHE ID _____ **Student E-mail** _____

Q1: Write the adjacency matrix of the following graph

A1: Obvious – not provided.

Q2: Consider the directed graph shown in the figure below. There are multiple shortest paths between vertices S and T. Which one will be reported by Dijstra's shortest path algorithm? Assume that, in any iteration, the shortest path to a vertex v is updated only when a strictly shorter path to v is discovered.

A2:

SACET