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COS 350 Spring 2019 Class Exercise 13 4 questions; 2 pgs. 2019-03-14
cc}2019\mathrm{ Sudarshan S. Chawathe
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Today: Elementary graph algorithms; strongly connected components. 22.*
Next class: (after Spring Break) Shortest paths, contd. 24. $\{3,4,5\}$.
Reminders: Homework. Newsgroup. Reading. Coding. Practice. Don't fall behind.

1. List the members of your group below. Underline your name.
2. Depict a directed graph that has three strongly connected components, each with at least three vertices. Try to design your graph so that a quick glance at the graph does not reveal the number of connected components.
3. Trace the operation of Strongly-Connected-Components (p. 617) on the following graph. You do not need to show the details of each DFS invocation, but you should annotate vertices with the u.f values.

[additional space for answering the earlier question]
4. (self study) Repeat Question 3 on the graph of Question 2.
