Unit 1 Competency Demo

You may work on this at your convenience between now and Monday, February 21st. You may edit these in a word processing document on your schedule. However, you will submit your responses via blackboard.

1. Suppose that you were asked by your principal/superintendent to give a brief explanation to the school board about Computer Science. Specifically, you are asked to make sure that this explanation helps this non-technical audience understand the definition of computer science as a field and how it does (or perhaps should) fit into K12 education. What would you say to explain computer science to this audience?

2. In one of the activities for this week you were asked to create a set of skills (or goals or outcomes or whatever term fits your district's organizational plan) for several grade bands. Select one of the skills you wrote about in either K-2 or 3-5 (elementary school) band.
   - Describe this skill and the grade band for which it is appropriate.
   - While the following wasn't part of your original activity, explain why this skill should be important at that age level.
   - Consider (explain) how it would be used by students in general and/or how it would be assessed by instructors.

3. In one of the activities for this week you were asked to create a set of skills (or goals or outcomes or whatever term fits your district's organizational plan) for several grade bands. Select one of the skills you wrote about in the 9-12 (high school) band.
   - Describe this skill and the grade band for which it is appropriate.
   - While the following wasn't part of your original activity, explain why this skill should be important at that age level.
   - Consider (explain) how it would be used by students in general and/or how it would be assessed by instructors.

4. Select two of the rationale points you wrote about for Activity 1 about why computer science should be part of K12 education. These should be the two you consider to be most persuasive and/or important. Clearly explain those two points and why you find them to be particularly persuasive or important.