CS327E - Lecture 1 - Monday 1/25/2016

Reading Quiz:
Question 1: Ans = B
Question 2: Ans = A
Question 3: Ans = C
Question 4: Ans = C
Question 5: Ans = B

Concept Question 1
1. How can Alice's record be deleted from the Persons table?
    a. Delete Persons record where person_id = 100
        i. You can't have an orphan record, because if you delete the row in the Persons table with person_id 100, there will still be rows in the Favorite_Music table that are referencing to a Person that does not exist.
        ii. This would throw a constraint violation
    b. Delete Persons record where person_id = 100 and then delete Favorite_Music records where person_id = 100
        i. We have a dependency between the two tables. There is a foreign key constraint on the person_id field in the Favorite_Music table, thus linking to the primary key in the persons table.
        ii. This would also throw a constraint violation
    c. Delete Favorite_Music records where person_id = 100 and then delete Persons records where person_id = 100
        i. This is the correct answer because it deletes the records in the Favorite_Music table, therefore deleting the dependency on the Persons table. Afterwards, one will be able to delete the Persons row (with person_id 100) without any issues.
    d. Either B or C
    e. None of the above