

Name: _____

Homework Set H:

The following is due on: 4/2

- Project: (SQL) Create two referential constraints, and be sure to also provide what should happen on deletion and alteration of referenced data.
 - Project: (SQL) Create two attribute-based and two tuple based constraints.
 - Project: (SQL) Write queries that will drop one of each type of the above six constraints.
 - If there is no way to logically incorporate the above into your project, either expand your project to incorporate these concepts, or use the midterm Dog schema instead as necessary.
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Homework Set I:

The following is due on: 4/6

- Project: Create two assertions that must *always* hold. If there is no way to logically incorporate the this into your project, either expand your project to incorporate these concepts, or use the midterm dog database example instead of your project for what is missing.
 - Dog schema: We want to make sure that (1) all dog owners have a dog, and (2) all dogs have a listed owner. There are many ways to enforce such a constraint. In SQL, it can be enforced using referential based-constraints, attribute-based constraints, tuple-based constraints, and finally assertions. Since there are so many options, what way you would do it. Describe pros/cons and why.
 - Project: Describe in words two event-condition-actions (triggers) that you would like to perform in your database, then create the necessary SQL trigger to perform the task. Again, if you cannot think of a relevant triggers, use the Dog schema.
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