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CS 325 - Fall 2018

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Extra features I have added:

- 325populate.sql: I added several sequences used to generate primary keys for Owners, Pets, Workers, section_ids for Services, and enrollment numbers for enrollment association entity classes.
- 325queries.sql:
 - I used the “like” operator in Query 1 and 7.
 - Queries 4 and 6 use a left outer join to ensure display of rows in tables being joined on that have no corresponding information in another table in the select statement.
- 325report1.sql:
 - Used string functions rpad, substr, and lpad.
 - Used function to_char in conjunction with the above to convert integers into 24-hour time format, with a colon between the hour and the minute.
- 325report2.sql:
 - Used string function rpad.
 - Used function to_char to format dates.
- 325report3.sql:
 - Used “label” in the compute statement to enhance output.
 - Used functions rpad and to_char.

Extra effort I would like you to notice:

- I did a fair amount of research to ensure that the data in my tables look like real data. I did some world-building here! In particular, notice that:
 - All of the Owner and Worker phone numbers are fake, taken from a website of fake phone numbers used in movies.
 - Email addresses are customized to the person they belong to, with some email service domain names being more popular than others, just like the real world.
 - Vaccines are genuinely some of what real pets would need before boarding. All vaccination dates are a reasonable amount of time after the pets’ birth dates, when pets are old enough to get shots.
 - Medications are real medicines that dogs and cats take, with dosages adjusted to the size/age of the pet.
 - The certifications of the veterinarian employees resemble the real degrees/licenses a real veterinarian would need in order to practice.

- A couple of select pets/owners have personalities, as evidenced by the data patterns in the tables. See how Gertrude the dog is always enrolled in the deluxe services?
- I spent time making sure that date data was consistent (e.g. pet birthdays were always before any days that they were enrolled in a service or got a vaccine).