Database Project Assignment 2: Queries in Human

* Write a paragraph explaining what data would be collected by your database. Who owns the database? Who manages it? Who can access the data in your database?
* Write 17 questions the business/organization might ask (in human) and then provide an SQL statement that would provide your answer.
* Write a paragraph explaining the business need for your partner’s database.
* Include 3 questions (in human) along with the 3 SQL queries that could answer those questions.
* Upload a word doc to Moodle and GitHub and summarize your work on Flipgrid.

Example:

What students are applying to attend in the Fall 2021 semester that are majoring in Biology?

Select FirstName, LastName, Email, IDnumber, GPA, Address

From ApplicationPool

Where Major = Biology

And AttncYr = FA21;

Jared Reichardt

Assignment two

9 Sept, 2021

**What is being collected for The Pet Place**

The general information being collected for my company is information about the pets and their owners. For the owners, the company needs to record their name, phone number, and address information. For the pets, they need to record their name, breed, owner last name, owner phone number, behavior, last date visited, employee assigned, and key descriptors like fur type, breed, and size. Information about the employees is also recorded, like employee ID, name, position, and department. Whoever is the head of all three departments owns the database, and the head of each department operates it. Each employee working in each department can access this database.

**17 questions the business would ask with SQL responses**

* Who owns the pet floofy?
  + Select PetName, PetOwnerPhoneNumber, OwnerName From PetsInfo Where PetName = “Floofy” and PetOwnerPhoneNumber = “12345678900”
* What pet(s) has Jeremy brought in before?
  + Select CustomerName, PhoneNumber From CustomerInfo And PetName, PetOwnerPhoneNumber From PetsInfo Where CustomerName = ‘Jeremy’
* When was floofy last here?
  + Select lastVisit, petName, PetOwnerPhoneNumber From PetsInfo Where PetName = “Floofy” and PetOwnerPhoneNumber = “12345678900”
* How does floofy behave during daycare?
  + Select petName, petOwnerPhoneNumber, behavior from PetsInfo Where PetName = “Floofy” and PetOwnerPhoneNumber = “12345678900”
* What level of training did floofy complete last?
  + Select petName, petOwnerPhoneNumber, trainingProgramLevel From PetsInfo Where PetName = “Floofy” and PetOwnerPhoneNumber = “12345678900”
* What does floofy look like?
  + Select petName, petOwnerPhoneNumber, petSize, petColor, petFur From PetsInfo Where PetName = “Floofy” and PetOwnerPhoneNumber = “12345678900”
* What pets are under Alex’s care?
  + Select petName, petOwnerPhoneNumber, empAssigned From PetsInfo Where EmpAssigned = ‘Alex’
* What department(s) does Alex work in?
  + Select EmpID, EmpName, EmpDepartment From EmpInfo Where EmpId = ‘123456’
* What pets have curly hair?
  + Select PetFur, PetName, PetOwnerPhoneNumber From PetsInfo Where PetFur = ‘curly’
* What pets are a mixed breed?
  + Select PetBreed, PetName, PetOwnerPhoneNumber From PetsInfo Where PetBreed = ‘mixed’
* What pets have an owner named Steve?
  + Select PetOwnerName, PetName, PetOwnerPhoneNumber From PetsInfo Where PetOwnerName = ‘Steve’
* Who is the manager of the training department?
  + Select EmpId, EmpName From EmpInfo Where EmpDepart = ‘training’ and EmpPos = ‘manager’
* What employees are working in multiple departments?
  + Select EmpId, EmpName From EmpInfo Where EmpDepart = ‘grooming, training’ or ‘grooming, daycare’ or ‘daycare, training’
* What pets last visited on Wednesday?
  + Select PetName, PetOwnerPhoneNumber From PetInfo Where LastVisit = ‘Wednesday’
* Who last groomed Fluffy?
  + Select EmpAssign From PetInfo Where Petname = ‘Fluffy’ and petOwnerPHone = ‘12345678900’
* What pets in our system are considered small?
  + Select PetName, PetOwnerPhoneNumber From PetInfo Where PetSize = ‘small’
* What is Jeremy’s Address?
  + Select Address from CustomerInfo Where CustomerName = ‘Jeremy’ and Phone = ‘12345678900’

SideNote: I know things like Address and Name should be broken into Fname, Lname, Street, city, etc. but that is a lot of words I would rather not type right now.

**Business Needs For partner Jared Heeringa**

Starting off, for Jared’s Company All Sports, there are many employees (roughly 30 Full Time) working for them, and their data needs to be tracked. The company also has multiple locations, so that must also be tied into the recorded information. For the employees, their id, name, position, department, and the store they are located at should be tracked. In addition, each store would need its own information tracked, like location. As for the sales portion, product information, invoices, shipment info, and inventory are items that should be recorded in a database.

**SQL questions for Jared Heeringa**

* Who works in the IT department at All Sports’s store 2?
  + Select FName, LName, ID from EmpInfo Where department = ‘IT’ and storeNum = ‘2’
* What equipment arrived on Tuesday?
  + Select itemCode, itemName From Inventory Where dateReceived = ‘Tuesday’
* How many (insert item name here) are in stock?
  + Select inStock From Inventory Where itemCode = ‘insert code here’