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;

The data for the database which will be used by all 5 departments of Little Jimmy’s Performance Parts and Co will collect the following: Human resources will keep track of their employee’s and payroll. The database will contain info about the employee’s first and last name, their address, their positions, if they’re hourly or salary, benefits and they amount they are paid. Operations management will keep track of inventory. Such parts include the type of bike, the type of part such as the exhaust, body, controls & mirror, bike protection, seats, foot controls and pegs, and windscreens. They will also carry riding gear such as helmets, jackets, pants, gloves, boots, and riding suits. Marketing will keep track of current and past promotions for the retail and online platform, and the financial will be responsible for keeping track of financial records and other money related stuff, such as gross and net revenue, debts, assets & liabilities, and other stuff that goes on a balance sheet. IT will keep track of the ticketing system implemented throughout the company which keeps tabs on the POS systems, real estate issues, corporate computer issues, other issues. This database will be managed by the IT department. The department heads will be able to access the data of their respective department.

Which exhaust system will fit on my 2019 Yamaha MT07?

Select bikeYear, bikeMake, bikeModel, itemType, itemStyle, itemProduct, itemBrand, itemManufacturer, price

From partsCatalog

Where bikeYear = 2019, bikeMake = Yamaha, bikeModel = MT07, itemType = exhausts

Which bike(s) will this oil filter be compatible with?

Select bikeYear, bikeMake, bikeModel, itemType, itemStyle, itemProduct, itemBrand, itemManufacturer, price

From partsCatalog

Where itemType = oilFilters

Which riding sliders are for sport bikes?

Select bikeYear, bikeMake, bikeModel, itemType, itemStyle, itemProduct, itemBrand, itemManufacturer, price

Where itemType = frameSliders, itemStyle = sport

Which gloves will fit my size(Size = small)?

Select itemType, brand, gender, ridingStyle, price, itemMaterial, itemSize, itemColor

From clothingCatalog

Where itemType = gloves, itemSize = S

Which helmets have the color red in its design?

Select itemType, brand, gender, ridingStyle, price, itemMaterial, itemSize, itemColor

From clothingCatalog

Where itemType = helmets, itemColor = red

Which clothing are for kids?

Select gender, priceRange, itemSize, itemColor, price

From clothingCatalog

Where gender = youth

Which riding shoes are $199.99?

Select itemType, brand, gender, ridingStyle, price, itemMaterial, itemSize, itemColor

From clothingCatalog

Where itemType = shoes, price = 199.99

Which employees are general managers?

Select firstName, lastName, address, position, classification

From employeeCatalog

Where position = GM

Which employees are hourly?

Select firstName, lastName, address, position, classification

From employeeCatalog

Where classification = hourly

Which promos ran during from August 2021 till September 2021?

Select promoID, promoDesc, startDate, endDate, channel, notStackablePromos

From promoCatalog

Where startDate = 2021-08-01, endDate = 2021-09-30

Which promos were for retail only?

Select promoID, promoDesc, startDate, endDate, channel, notStackablePromos

From promoCatalog

Where channel = retail

Which promos are not stackable with the 10% off?

Select promoID, promoDesc, startDate, endDate, channel, notStackablePromos

From promoCatalog

Where notStackablePromos = 1003

What’s the gross revenue from parts sales for this year?

Select year, month, channel, itemTable, grossRev

From financialCatalog

Where itemTable = partsCatalog, channel = both, year = 2021

What’s the net revenue from the online sales last year?

Select year, month, channel, itemTable, grossRev

From financialCatalog

Where channel = online, year = 2020

Which employees performed incident tickets??

Select employeeID, ticketChannel, ticketTypes, openDate, closeDate

From ticketCatalog

Where ticketChannel = incidents

Which tickets did John Smith touch?

Select employeeID, ticketChannel, ticketTypes, openDate, closeDate

From ticketCatalog

Where employeeID = 101

Which tickets came from the Operations department?

Select employeeID, ticketChannel, ticketTypes, openDate, closeDate

From ticketCatalog

Where ticketChannel = operations

My partner’s need for a database stem from organizing merchandise so that the merchandising department can properly display and advertise/showcase the products that Judebox Records have to offer. That’s not only department that would benefit from a database, but such also as the marketing department would use it for organizing music info for social media platforms. Another need arises from the talent scheduling department which uses the database to organize contact information from local bands to musicians to perform on first Fridays. This department also stores records scheduling info for those musicians.

What are the new pop songs released so far this year?

Select genre, year, song, artist, album

From merchCatalog

Where genre = pop, year = 2021

Which bands are coming to perform on October?

Select musician, apptMonth, apptYear, time

From scheduleCatalog

Where apptMonth = 10, apptYear = 2021

Which songs were posted on twitter?

Select platform, genre, song, artist, album

From socialMediaCatalog

Where platform = twitter