Luis Solis

The trucking company is the entity that owns the database but most likely will be managed by the receptionist most of the time. Almost every employee has access to the database because it contains logging information such as in times, out times, and location. Also the customers will also have a small access to the database because they will be making invoices that see what drivers that are available. For the drivers, the information that is going to be collected is whether they are available or not, starting milage on journey, ending milage, total miles, money spent on fuel, destination, and States traveled through. The customer will have to provide the type of shipment that needs to be made, total miles, destination address, and shipment pick up time. Also the company HR representative would keep track of emergency contacts insurance services

1. What drivers are available

Select firstName, lastName, truckLicensePlate

From DriverList

Where availability = “available”

1. Which drivers are older than 50

Select firstName, lastName, DOB,

From DriverList

Where age

AND age > 50

1. Which drivers have driven out of state

Select firstName, lastName, TruckNumber, statesTraveledTo

From TruckLogs

Where States

1. How many orders from company X

Select custName, numOfOrders, date

From OrderList

Where orderType

1. Which drivers spent more than $200 on fuel

Select firstName, lastName, TruckNumber, totalMiles, amountFuel

From truckLogs

Where spentOnFuel

And amountFuel > 200.00

1. Phone number of driver X

Select firstName, lastName, Phone

From DriverList

Where PhoneNumbers

1. Driver X emergency contact

Select eFirstName, eLastName, firstName, lastName, ePhone, Phone

From emergencyList

Where emergencyContact

1. Truck X insurance company

Select truckNumber, licensePlateNumber, Make, Model, Year, Insurance

From truckList

Where insurance

And truckNumber

1. Driver X owns which Truck

Select firstName, lastName, TruckNumber,

From truckList

Where Owner

1. Last day driver X has driven

Select firstName,lastName, truckNumber, date, InTime

From TruckLogs

Where LastCheckIn

1. Driver X total miles this week

Select firstName,lastName, totalMiles

From truckLogs

Where MilesDriven

Between 9/1/2021 AND 9/7/2021

1. How many shipments to location X

Select custName, numOrders, destination, shipmentType

From OrderList

Where custName

1. How much money spent on fuel this month

Select amountFuel, totalMiles, truckNumber, date

From truckLogs

Where monthlyFuelCost

Between 9/1/2021 And 9/30/2021

1. How many trucks over 300,000 miles

Select truckNumber, licensePlateNumber, totalMiles

From TruckLogs

Where AllTotalMiles

1. What product in Truck X

Select productDesc, truckNumber, truckLicenseNumber

From truckLogs

Where truckDescription

And within Truck 37828

1. Truck X license plate

Select truckNumber, truckLicensePlate,

From DriverList

Where plateNumber

1. Driver X DOB

Select firstName, lastName, DOB,

From DriverList

Where driverDOB

Library

My partner is making a database containing all the information that comes from a library. The librarians are the people that are going to be using the database most of the time and preforming most of the maintenance. The public is also going to be using the database, but only for inquires of locations of books. Each time a new book arrives at the library the librarians are going to log it and all the information pertaining to the new book and recording the location of it while also maintain the integrity of the information by constantly making sure all the book that are moved around are in the appropriate areas.

1. What books are checked out

Select bookTitle, availability

From Lending

Where BooksOut

1. How many of book X are there

Select bookTitle, availability, numOnhand

From Books

Where currentlyhere

1. Where is mystery books

Select genre, bookTitle, Department, Floor,AisleNumber

From Books

Where MysteryBooks