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?

This database will consist of data collected about every item and its lifecycle. The item lifecycle will begin from the moment the store receives it in the truck order and the database will keep track of each item until they are sold, returned, or defected out. The store manager will own this database since he oversees all the items sold in the store. The database will be managed through the store team through constant audits for each of the items. The only people that can access this database would be Assets Protection, managers (Will only be able to see items sold in their department), and the Store manager.

* Write 17 questions the business/organization might ask (in human) and then provide an SQL statement that would provide your answer.

1. When was the last time iphones were shipped to the store?

Select Prod\_iPhone

From Truck\_Shipment

Group by Prod\_iPhone`;

1. How many apples were sold this past week (08/29-09/04)?

Select Count(Prod\_iPhone)

From Truck\_Shipment

Between 08/29 and 09/04;

1. How many computers were returned today?

- Select Count(Prod\_Computer)

From Return\_Statement

Where Date = ‘09/12/21’;

1. When did the last truck arrive to the store?

- Select Truck\_Shipment

Group by Truck\_Shipment;

1. How many bananas came in today?

- Select Count(Prod\_bananas)

From Truck\_Shipment

Where Date = ‘09/12/21’;

1. How many different items were shipped yesterday?

- Select Count(Prod\_ID)

From Truck\_Shipment

Where Date = ‘09/11/21’;

1. How many apples are there currently in store?

- Select Count(Prod\_Apple)

From Store\_Inventory;

1. When was the last time oranges were shipped?

- Select Prod\_orange

From Truck\_Shipment

Group by Prod\_orange;

1. How many iphones were returned yesterday?

- Select Prod\_iPhone

From Return\_Statement

Group by Prod\_iPhone;

1. How many produce items were delivered today?

- Select Quantity (Where Dep\_Class = ‘produce’)

From Truck\_Shipment

Where Date = ‘9/11/21’;

1. What were the total sales for yesterday?

- Select Quantity(Sale)

From Sale\_Statement

Where date = ‘9/11/21’;

1. What items were returned this past week?

- Select Quantity(Return)

From Return\_Statement

Where date = ‘9/11/21’;

1. How much money was generated (Through sales) this weekend?

- Select Quantity(Sale)

From Sale\_Statement

Between 9/03 and 09/05;

1. How much money was returned this past weekend?

- Select Quantity(Retun)

From Return\_Statement

Between 9/03 and 09/05;

1. How much money went to waste (Through defectives) this weekend

­ Select Quantity(Waste)

From Defectives\_Statement

Between 9/03 and 09/05;

1. How much money did produce bring in this weekend?

- Select Quantity(Sale)

From Sale\_Statement

Between 9/03 and 09/05;

1. How much money went to waste through produce this weekend?

- Select Quantity(defective)

From defective\_Statement

Between 9/03 and 09/05

* Write a paragraph explaining the business need for your partner’s database.

My partner’s database is about Home Depot inventory. Like my database he will need to implement a truck feature that shows what products were delivered in a set date. The business need for this database is so that costumers can go into Home Depot knowing if they have whatever product they are looking for in stock. For this to be accurate I believe that my partner should take note of what items sell and what items get returned as well.

* Include 3 questions (in human) along with the 3 SQL queries that could answer those questions.

1. How much wood flooring is available for purchase?

- Select Quantity(‘wood’)

From inventory;

1. How many nails do you currently have in stock?

- Select Quantity(‘nails)

From Inventory;

1. How many screws were sold today?

- Select Quantity(Sale)

Where item = ‘Screw’

From Sale\_Statement;

* Upload a word doc to Moodle and GitHub and summarize your work on Flipgrid.

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;