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**Assignment 2**

The data that would be collected by my database would include data about the products, customers, store, employees, suppliers, and orders. Product data could include attributes such as product id, categories, brands, listing date and type of clothing. Customer data will include attributes such as customer id, order, first name, last name, and address. Store data will include attributes such as departments, employees, and products. Employee data will include attributes such as employee id, first name, last name, email, number, department, job and schedule. Supplier data will include attributes such as company id, company name, products, cost, shipment date. Order data would include attributes such as order number, item sold, cost, date, time, customer id as well as data from the product table. The database is going to be owned by a database admin which will be the same person who manages it. It will be important that the entire online store management department will have access to the database as it will help these employees perform their job at a higher level.

**17 Business Questsions**

1. What kind of products are being sold in the store?
   1. Select Prod\_ID, Prod\_Category, Prod\_Brand, Prod\_Type, List\_Date
   2. From Product
2. How many different shoes are being sold in the store?
   1. Select Prod\_ID, Prod\_Category, Prod\_Brand, Prod\_Type, List\_Date
   2. From Product
   3. Where Prod\_Type = Shoes
3. What employees work on the warehouse side of the store?
   1. Select Emp\_ID, Emp\_FName, Emp\_LName, Dept, Job
   2. From Employee
   3. Where Dept = Warehouse
4. What employees work full time?
   1. Select Emp\_ID, Emp\_FName, Emp\_LName, Dept, Job
   2. From Employee
   3. Where Schedule = Full Time
5. How many sales did the store have on 9/10/21?
   1. Select Order\_Num, Item, Cost, Date, Time, Cust\_ID
   2. From Orders
   3. Where Date = 9/10/21
6. What employees list the items on the store?
   1. Select Emp\_ID, Emp\_FName, Emp\_LName, Dept, Job
   2. From Employee
   3. Where Dept = Office
   4. And Job = Listing
7. When did the first item sell on 8/7/21?
   1. Select Order\_Num, Item, Cost, Date, Time, Cust\_ID
   2. From Orders
   3. Where Date = 8/7/21
8. When did we receive the last shipment from a supplier?
   1. Select Sup\_ID, Sup\_Name, Sup\_Cost, Product, Ship\_Date
   2. From Supplier
9. How many items were listed on 9/10/21?
   1. Select Prod\_ID, Prod\_Category, Prod\_Brand, Prod\_Type, List\_Date
   2. From Product
   3. Where List\_Date = 9/10/21
10. How many Tommy Bahama shirts are listed on the store right now?
    1. Select Prod\_ID, Prod\_Category, Prod\_Brand, Prod\_Type, List\_Date
    2. From Product
    3. Where Prod\_Brand = Tommy Bahama
    4. And Prod\_Type = Shirt
11. How many Men’s Levi Jeans has the store sold?
    1. Select Order\_Num, Prod\_Category, Prod\_Brand, Prod\_type, Cost, Date, Time, Cust\_ID
    2. From Orders
    3. Where Prod\_Category = Mens
    4. And Prod\_Brand = Levi
    5. And Prod\_Type = Jeans
12. What are the emails of the warehouse workers?
    1. Select Emp\_ID, Emp\_FName, Emp\_LName, Email, Dept
    2. From Employee
    3. Where Dept = Warehouse
13. How many suppliers are we working with right now?
    1. Select Sup\_ID, Sup\_Name, Sup\_Cost, Product, Ship\_Date
    2. From Supplier
14. How many employees are working for the store?
    1. Select Emp\_Fname, Emp\_LName, Dept
    2. From Store
15. What was the cost of the last shipment that was received?
    1. Select Sup\_ID, Sup\_Name, Sup\_Cost, Product, Ship\_Date
    2. From Supplier
16. How many hats are listed in the store?
    1. Select Prod\_ID, Prod\_Category, Prod\_Brand, Prod\_Type, List\_Date
    2. From Product
    3. And Prod\_Type = Hat
17. How many employees are only part time?
    1. Select Emp\_ID, Emp\_FName, Emp\_LName, Dept, Job
    2. From Employee
    3. Where Schedule = Part Time

**Partner’s Business Database**

My partner’s business TOED will rely heavily on databases to store all the data it collects on movie and tv show ratings. A database will allow the company to organize their data starting with movie and tv show. A movie table could contain attributes such as Name, Year, Length, Professional Rating, User Rating, Lead Actor/Actress, and Genre. The TV Table could contain very similar attributes. This would allow the business to decide the most popular movies and shows that they could then advertise to the public. The company would then be able to promote good quality movies and the public will be able to rely on the recommendations from TOED. Consistently providing the public with solid recommendations could help the company increase their revenue with advertising partnerships.

**SQL Queries**

1. Which movies have a 5 star rating from the professionals and users?
   1. Select Mov\_Name, Mov\_Year, Mov\_Length, Prof\_Rating, User\_Rating
   2. From Movie
   3. Where Prof\_Rating = 5
   4. And User\_Rating = 5
2. What movies have popular actors/actresses in them?
   1. Select Mov\_Name, Lead\_Performers
   2. From Movie
   3. Where Lead\_Performers = Robin Williams Or Betty White
3. What are the best new movies that are out?
   1. Select Mov\_Name, Mov\_Year, Prof\_Rating, User\_Rating
   2. From Movie
   3. Where Mov\_Year = 2021
   4. And Prof\_Rating = 5
   5. And User\_Rating = 5