**Database Description:**

**Tb\_Supplier**(Supp\_ID, Name, City, State)

**Tb\_Consumer**(Con\_ID, Name, City, State)

**Tb\_Product**(Prod\_ID, Name, Product\_Category, Product\_Line, Product\_Packaging)

**Tb\_Offers**(Supp\_ID, Prod\_ID, Quantity, Price)

**Tb\_Requests**(Con\_ID, Prod\_ID, Quantity, Price)

**Tb\_Transactions**(Tran\_ID, Supp\_ID, Con\_ID, Prod\_ID, Quantity, Price)

**Tb\_Date**(DateKey, DateYear, DateMonth, DateMonthName, DateWeek, DateDayOfMonth, DateDayOfWeek, FiscalWeek, IsWeekEnd, IsHoliday, HolidayName)

**Tb\_Time**(TimeKey, TheHour, IsLunchHour, IsBusinessHour, ShiftNumber)

**Queries:**

1) Product categories and number of products in each category?

2) Cities having at least 3 different consumers?

3) Cities and number of different products offered in city?

4) List of states and number of car suppliers in each state?

5) Product name and quantity offered in each city?

6) Supplier name and quantity of TV sold in each consumer city?

7) Supplier-consumer-product names such that supplier is selling product to consumer with total value of transactions between supplier and consumer for given product?

8) Monthly sales data (total transactions quantity, number of transactions, total transactions value) by supplier, consumer, and product during the year 2018?

9) States where the number of suppliers exceeds the number of consumers?

10) Comparative list of supplier or consumer states and cities with respective number of suppliers and consumers in each city (columns are State, City, NumberOfSuppliers, NumberOfConsumers)?

11) For each product list the quantity sold by suppliers in Madison to consumers in Chicago versus the quantity sold by suppliers in Chicago to consumers in Madison (result columns: product name, quantity Madison\_Chicago, quantity Chicago\_Madison)?