

William D. Gizzi SQL Assignment 3

1.

```
SELECT Product_Category, COUNT(Prod_ID)
FROM Tb_Product
GROUP BY Product_Category
```

2.

```
SELECT City, COUNT(Con_ID)
FROM Tb_Consumer
GROUP BY City
HAVING COUNT(*) >= 3
```

3.

```
SELECT Tb_Supplier.City, COUNT(Tb_Product.Product_Category)
FROM Tb_Supplier, Tb_Offers, Tb_Product
WHERE Tb_Supplier.Supp_ID=Tb_Offers.Supp_ID AND
      Tb_Product.Prod_ID=Tb_Offers.Prod_ID
GROUP BY Tb_Supplier.City
```

4.

```
SELECT Tb_Supplier.State, COUNT(Tb_Supplier.Supp_ID)
FROM Tb_Supplier, Tb_Offers, Tb_Product
WHERE Tb_Supplier.Supp_ID=Tb_Offers.Supp_ID AND
      Tb_Product.Prod_ID=Tb_Offers.Prod_ID AND
      Tb_Product.Name='Auto'
GROUP BY Tb_Supplier.State
```

5.

```
SELECT Tb_Supplier.City, Tb_Product.Name, SUM(Quantity)
FROM Tb_Supplier, Tb_Offers, Tb_Product
WHERE Tb_Supplier.Supp_ID=Tb_Offers.Supp_ID AND
      Tb_Product.Prod_ID=Tb_Offers.Prod_ID
GROUP BY Tb_Supplier.City, Tb_Product.Name
ORDER BY Tb_Supplier.City, Tb_Product.Name
```

6.

```
SELECT Tb_Supplier.Name, Tb_Consumer.City, SUM(Quantity)
FROM Tb_Supplier, Tb_Transactions, Tb_Product, Tb_Consumer
WHERE Tb_Supplier.Supp_ID=Tb_Transactions.Supp_ID AND
      Tb_Product.Prod_ID=Tb_Transactions.Prod_ID AND
      Tb_Consumer.Con_ID=Tb_Transactions.Con_ID AND
      Tb_Product.Name='TV'
GROUP BY Tb_Supplier.Name, Tb_Consumer.City
```

7.

```
SELECT Tb_Supplier.Name, Tb_Consumer.Name, Tb_Product.Name, SUM(Quantity*Price)
FROM Tb_Supplier, Tb_Transactions, Tb_Product, Tb_Consumer
WHERE Tb_Supplier.Supp_ID=Tb_Transactions.Supp_ID AND
      Tb_Product.Prod_ID=Tb_Transactions.Prod_ID AND
      Tb_Consumer.Con_ID=Tb_Transactions.Con_ID
GROUP BY Tb_Supplier.Name, Tb_Consumer.Name, Tb_Product.Name
```

8.

```
SELECT Tb_Supplier.City, Tb_Consumer.City, Tb_Product.Name, SUM(Quantity*Price)
FROM Tb_Supplier, Tb_Transactions, Tb_Product, Tb_Consumer
WHERE Tb_Supplier.Supp_ID=Tb_Transactions.Supp_ID AND
```

```

        Tb_Product.Prod_ID=Tb_Transactions.Prod_ID AND
        Tb_Consumer.Con_ID=Tb_Transactions.Con_ID AND
        Tb_Supplier.City!=Tb_Consumer.City
GROUP BY Tb_Supplier.City, Tb_Consumer.City, Tb_Product.Name

```

9.

```

SELECT Tb_Supplier.State, COUNT(distinct Tb_Supplier.Supp_ID) "Supplier Count",
COUNT(distinct Tb_Consumer.Con_ID) "Consumer Count"
FROM Tb_Supplier, Tb_Consumer, Tb_Transactions
WHERE Tb_Supplier.Supp_ID=Tb_Transactions.Supp_ID AND
      Tb_Transactions.Con_ID=Tb_Consumer.Con_ID
GROUP BY Tb_Supplier.State
HAVING COUNT(distinct Tb_Supplier.Supp_ID) > COUNT(distinct Tb_Consumer.Con_ID)

```

10.

```

SELECT Tb_Supplier.State, Tb_Supplier.City, COUNT(distinct Tb_Supplier.Supp_ID) "Supplier
Count", COUNT(distinct Tb_Consumer.Con_ID) "Consumer Count"
FROM Tb_Supplier, Tb_Consumer, Tb_Transactions
WHERE Tb_Supplier.Supp_ID=Tb_Transactions.Supp_ID AND
      Tb_Transactions.Con_ID=Tb_Consumer.Con_ID
GROUP BY Tb_Supplier.State, Tb_Supplier.City

```