

William D. Gizzi SQL Assignment 2

1.

```
SELECT *
FROM Tb_Transactions, Tb_Supplier, Tb_Consumer
WHERE Tb_Transactions.Supp_ID=Tb_Supplier.Supp_ID
      AND Tb_Supplier.City='Madison'
      AND Tb_Transactions.Con_ID=Tb_Consumer.Con_ID
      AND Tb_Consumer.City='Stevens Point'
      AND Tb_Transactions.Price > 10000
```

2.

```
(SELECT Tb_Supplier.Name
FROM Tb_Supplier, Tb_Offers, Tb_Product
WHERE Tb_Supplier.Supp_ID=Tb_Offers.Supp_ID
      AND Tb_Offers.Prod_ID=Tb_Product.Prod_ID
      AND Tb_Product.Name='computer')
INTERSECT
(SELECT Tb_Supplier.Name
FROM Tb_Supplier, Tb_Offers, Tb_Product
WHERE Tb_Supplier.Supp_ID=Tb_Offers.Supp_ID
      AND Tb_Offers.Prod_ID=Tb_Product.Prod_ID
      AND Tb_Product.Name='orange');
```

3.

```
SELECT DISTINCT Tb_Supplier.Name
FROM Tb_Supplier, Tb_Offers, Tb_Product
WHERE (City='Wausau')
      OR (Tb_Offers.Prod_ID=Tb_Product.Prod_ID
          AND Tb_Supplier.Supp_ID=Tb_Offers.Supp_ID
          AND Tb_Product.Name IN ('Orange', 'Computer'))
```

4.

```
(SELECT Tb_Supplier.Name
FROM Tb_Supplier, Tb_Offers, Tb_Product
WHERE Tb_Supplier.Supp_ID=Tb_Offers.Supp_ID
      AND Tb_Offers.Prod_ID=Tb_Product.Prod_ID
      AND Tb_Product.Name='computer')
INTERSECT
(SELECT Tb_Supplier.Name
FROM Tb_Supplier, Tb_Offers, Tb_Product
WHERE Tb_Supplier.Supp_ID=Tb_Offers.Supp_ID
      AND Tb_Offers.Prod_ID=Tb_Product.Prod_ID
      AND Tb_Product.Name='auto')
INTERSECT
(SELECT Tb_Supplier.Name
FROM Tb_Supplier, Tb_Offers, Tb_Product
WHERE Tb_Supplier.Supp_ID=Tb_Offers.Supp_ID
      AND Tb_Offers.Prod_ID=Tb_Product.Prod_ID
      AND Tb_Product.Name='orange');
```

5.

```
SELECT DISTINCT Tb_Product.Name
FROM Tb_Product, Tb_Offers, Tb_Supplier
WHERE Tb_Supplier.Supp_ID=Tb_Offers.Supp_ID
      AND Tb_Offers.Prod_ID=Tb_Product.Prod_ID
      AND Tb_Supplier.City<>'Chicago'
      AND Tb_Product.Prod_ID NOT IN
      (SELECT DISTINCT Prod_ID
```

```

FROM Tb_Transactions, Tb_Supplier
WHERE Tb_Transactions.Supp_ID=Tb_Supplier.Supp_ID
      AND City='Chicago')

```

6.

```

SELECT Tb_Consumer.Name
FROM Tb_Product, Tb_Requests, Tb_Consumer
WHERE Tb_Consumer.Con_ID=Tb_Requests.Con_ID
      AND Tb_Requests.Prod_ID=Tb_Product.Prod_ID
      AND Tb_Product.Name='Computer'
      AND Tb_Consumer.Con_ID NOT IN
        (SELECT DISTINCT Tb_Consumer.Con_ID
         FROM Tb_Requests, Tb_Consumer
         WHERE Tb_Requests.Con_ID=Tb_Consumer.Con_ID
              AND Tb_Product.Name<>'Computer')

```

7.

```

SELECT DISTINCT Tb_Product.Name
FROM Tb_Product, Tb_Requests, Tb_Consumer
WHERE Tb_Consumer.Con_ID=Tb_Requests.Con_ID
      AND Tb_Requests.Prod_ID=Tb_Product.Prod_ID

```

8.

```

SELECT DISTINCT Tb_Product.Name
FROM Tb_Product, Tb_Offers, Tb_Supplier
WHERE Tb_Supplier.Supp_ID=Tb_Offers.Supp_ID
      AND Tb_Offers.Prod_ID=Tb_Product.Prod_ID
      AND Tb_Product.Prod_ID NOT IN
        (SELECT DISTINCT Prod_ID
         FROM Tb_Transactions, Tb_Supplier
         WHERE Tb_Transactions.Supp_ID=Tb_Supplier.Supp_ID
              AND City='Stevens Point')

```

9.

```

SELECT DISTINCT P.Name, S.Name
FROM Tb_Product P, Tb_Offers, Tb_Supplier S
WHERE P.Prod_ID=Tb_Offers.Prod_ID
      AND Tb_Offers.Supp_ID= S.Supp_ID
      AND Price >=ALL (SELECT Price
                       FROM Tb_Offers
                       WHERE Prod_ID=P.Prod_ID)

```

10.

```

SELECT DISTINCT P.Name, S.City
FROM Tb_Product P, Tb_Transactions, Tb_Supplier S
WHERE P.Prod_ID=Tb_Transactions.Prod_ID
      AND Tb_Transactions.Supp_ID= S.Supp_ID
      AND Quantity >=ALL (SELECT Quantity
                          FROM Tb_Transactions
                          WHERE Prod_ID=P.Prod_ID)

```

