```sql
--1.Write a SELECT
statement that returns
these columns:

SELECT COUNT(*) AS
'Number Of Orders',

SUM(Orders.TaxAmount) AS
'Sum Tax Amount'
FROM Orders;
```

	Number Of Orders	Sum Tax Amount
1	9	122.24

```sql
--2. Write a SELECT
statement that returns
one row for each category
that has products with
these columns:

SELECT
Categories.CategoryName
AS 'Categories',

Count(Products.ProductID)
AS 'Number Of Products',

MAX(Products.ListPrice)
AS 'Most Expensive
Product'
FROM Categories
JOIN Products
   ON Products.CategoryID
= Categories.CategoryID
GROUP BY
Categories.CategoryName
ORDER BY [Number Of
Products] DESC;
```

	Categories	Number Of Products	Most Expensive Product
1	Guitars	6	2517.00
2	Basses	2	799.99
3	Drums	2	799.99

```sql
--3. Write a SELECT
statement that returns
one row for each customer
that has orders with
these columns:
SELECT
Customers.EmailAddress,

SUM(OrderItems.ItemPrice)
*
Count(OrderItems.ProductI
D) AS 'Item Price Total',

SUM(OrderItems.DiscountAm
ount) *
Count(OrderItems.ItemID)
AS 'Item Discount Total'
FROM Customers
JOIN Orders
   ON
Customers.CustomerID =
Orders.OrderID
JOIN OrderItems
```

	EmailAddress	Item Price Total	Item Discount Total
1	gary_hernandez@yahoo.com	6596.94	1979.10
2	christineb@solarone.com	5864.00	2941.38
3	david.goldstein@hotmail.com	1199.00	359.70
4	allan.sherwood@yahoo.com	1199.00	359.70
5	heatheresway@mac.com	799.99	120.00
6	barryz@gmail.com	489.99	186.20
7	erinv@gmail.com	299.00	0.00
8	frankwilson@sbcglobal.net	299.00	0.00

```
   ON Orders.OrderID =
OrderItems.OrderID
GROUP BY
Customers.EmailAddress
ORDER BY [Item Price
Total] DESC;
```

```
--4. Write a SELECT
statement that returns
one row for each customer
that has orders with
these columns:
SELECT
Customers.EmailAddress,

COUNT(Orders.OrderID) AS
'Number Of Orders',

SUM(OrderItems.ItemPrice
-
OrderItems.DiscountAmount
) AS 'Item Final Price
Total'
FROM Customers
JOIN Orders
   ON
Customers.CustomerID =
Orders.CustomerID
JOIN OrderItems
   ON Orders.CustomerID =
Orders.CustomerID
GROUP BY
Customers.EmailAddress
HAVING
COUNT(Orders.OrderID) > 1
ORDER BY [Item Final
Price Total] DESC;
```

Results Messages

	EmailAddress	Number Of Orders	Item Final Price Total
1	david.goldstein@hotmail.com	24	13500.54
2	allan.sherwood@yahoo.com	24	13500.54
3	barryz@gmail.com	12	6750.27
4	christineb@solarone.com	12	6750.27
5	erinv@gmail.com	12	6750.27
6	frankwilson@sbcglobal.net	12	6750.27
7	gary_hernandez@yahoo.com	12	6750.27

```
--5. Modify the solution
to exercise 4 so it only
counts and totals line
items that have an
ItemPrice value that's
greater than 400.
SELECT
Customers.EmailAddress,

COUNT(Orders.OrderID) AS
'Number Of Orders',

SUM(OrderItems.ItemPrice
-
OrderItems.DiscountAmount
) AS 'Item Final Price
Total'
FROM Customers
JOIN Orders
```

Results Messages

	EmailAddress	Number Of Orders	Item Final Price Total
1	david.goldstein@hotmail.com	20	12304.54
2	allan.sherwood@yahoo.com	20	12304.54
3	barryz@gmail.com	10	6152.27
4	christineb@solarone.com	10	6152.27
5	erinv@gmail.com	10	6152.27
6	frankwilson@sbcglobal.net	10	6152.27
7	gary_hernandez@yahoo.com	10	6152.27

```
   ON
Customers.CustomerID =
Orders.CustomerID
JOIN OrderItems
   ON Orders.CustomerID =
Orders.CustomerID
WHERE
OrderItems.ItemPrice >
400
GROUP BY
Customers.EmailAddress
HAVING
COUNT(Orders.OrderID) > 1
ORDER BY [Item Final
Price Total] DESC;
```

```
--6. Write a SELECT
statement that answers
this question: What is
the total amount ordered
for each product? Return
these columns:
SELECT
Products.ProductName,

SUM(OrderItems.ItemPrice
-
OrderItems.DiscountAmount
) AS 'Total Amount
Ordered'
FROM Products
JOIN OrderItems
   ON Products.ProductID
= OrderItems.ProductID
GROUP BY
Products.ProductName;
```

Results | Messages

	ProductName	Total Amount Ordered
1	Fender Precision	559.99
2	Fender Stratocaster	978.60
3	Gibson Les Paul	1678.60
4	Gibson SG	1208.16
5	Ludwig 5-piece Drum Set with Cymbals	489.99
6	Rodriguez Caballero 11	253.15
7	Tama 5-Piece Drum Set with Cymbals	679.99
8	Washburn D10S	598.00
9	Yamaha FG700S	303.79