Due Date: March 23, 2016 11:00 PM Points: 35 point max

## General Directions

Use the AcmeBooks databases. We are looking for customers with certain patterns of ordering books. The output is limited to orders in the prior year and is based on the month in which books were ordered. The definition of an order is having a row in the order headers table, it does not require any related order detail rows.

**Do not use variables in this assignment.**

This assignment focuses on the use of the Set operators- unfortunately MySQL does not fully implement Set operators. Use the Union operator for queries where that makes sense. For the other tasks, you will need to use subqueries as described in the notes. In the sql that you write for the tasks 2-7, you are not allowed to use an inner join, outer join or full join. If you use a join, your query gets no points. This also applies to the use of the comma join for these tasks. (The view contains joins- that is not a problem- you do not write joins in your queries for tasks 2-7.)

In the first task you are to create a view named **bkorders.BkOrdersPriorYear** that you will use in the rest of the tasks. You should read through the assignment first and then develop a view that makes the rest of the assignment easier to code.
The output for tasks 2- 7 will all have this format. These should not have any duplicate rows.

```
+------------+----------------------+
| customerID | customerName         |
+------------+----------------------+
|     259906 | Capybara, Wile E.    |
|     290298 | Swift, Jonathan      |
|     267780 | Shelly, Mary         |
|     263119 | Jones                |
|     261502 | Hawthorne, Nathaniel |
```

Something to think about regarding the view.
The view needs to expose the customer id. The view needs to expose the customer name as shown in the above sample. You should consider if either or both of the name components can be null and deal with that in the view.

The tasks require you to find orders in the previous year- do that in the view.

The tasks are concerned with different months, so the view needs to expose the month so that it can be tested.

Use the fewest table as possible in the view.

Do not include anything in the view that is not required- such as a book_id.

## Tasks

**Task 01:** Create the view you will use in the rest of the assignment. You will need to use the MySQL syntax for dropping and then creating the view-that is discussed in the notes for this unit.
Use the view name: **bkorders.BkOrdersPriorYear**

**Task 02:** Display customer id and name for all customers who have at least one order in at least one of the months: April, June, August.

**Task 03:** Display customer id and name for all customers who have no orders in March or June or September. Since you are using the view as the data source these customers will have some orders in the prior year but not in any of those three months.

**Task 04:** Display customer id and name for all customers who have at least one order in March and at least one order in June and at least one order in September.

**Task 05:** Display customer id and name for all customers who have at least one order in January but no orders in February and no orders in March.

**Task 06:** Display customer id and name for all customers who have at least one order in March and at least one order in April or May.

**Task 07:** Display customer id and name for all customers who have at least one order in April and at least one order in May but no orders in June