**Problem Set 5**

**Instruction**:- Create a **single .sql** file for the problems below and load it using the upload option below.. Name your file as **XX\_PS5.sql***(change XX to your firstlast name)*

**Due Date**:- Midnight 05-Dec-2018.

Use the file [**File**](https://online.smc.edu/courses/14228/modules/items/446020) **for Problem Set 5.sql** to create and insert data for required tables. Use the data from the tables to answer these questions:-

1. Write the query that will generate a combined list of customers from the tables CUSTOMER AND CUSTOMER\_2 that do not include duplicate customer records.
2. Write the query that will generate a combined list of customers to include duplicate customer records.
3. Write the query that will show only the duplicate customer records.
4. Write the query that will generate only the records that are unique to CUSTOMER\_2 table.
5. Write the query to show the invoice number, customer number, customer name, invoice data and invoice amount for all customers in the CUSTOMER table with a balance of $1000 or more.
6. Write the query for all invoices that will show the invoice number, invoice amount, average invoice amount and difference between average invoice amount and actual invoice amount.
7. Modify the CUSTOMER table to include two new attributes:- CUST\_DOB and CUST\_AGE. Customer 1000 was born on March 15, 1979 and customer 1001 was born on December 22, 1988. Name the modified table as XX99\_CUSTOMER (where XX is your first and last initial, change 99 to your favorite number)
8. Write the query that will list the names and ages of your customers.
9. Assuming that the CUSTOMER table contains a CUST\_AGE attribute, write the query to update the values for this attribute. (Hint:- Use the results of the previous query).
10. Write a query that lists the average age of your customers (Assume that the CUSTOMER table has been modified to include the CUST\_DOB and the derived CUST\_AGE attribute.)