**Database Design – Final Spring 2019 (ver C) /40**

**(Submit the query only, not the results. 2 Documents will be submitted)**

**Name:**

**ID:**

**This test will use the om database**

**1** – **Use a correlated subquery to return one row per customer, representing the customer’s oldest order (the one with the earliest date)(4).**

**Each row should include these four columns: customer name, order number, order date and total order quantity (2).**

**Include only orders with a *total* order quantity greater than 1 (4)**

**(Hint: You need to use 3 tables; customers, orders and order\_details)**

**Query:**

2 – **Write a SELECT statement that returns these columns from the order\_details table:**

**-The order\_qty column (1)**

**-A column that uses the FORMAT function to return the order\_qty column with 1 digit to the right of the decimal point (3)**

**-A column that uses the CONVERT function to return the order\_qty column as an integer (3)**

**-A column that uses the CAST function to return the order\_qty column as an integer (3)**

**Query:**

**3 – Use MySQL Workbench to create an EER diagram for a database that stores information about movies. (you will have two tables: movies and genre) (**What is a genre? A genre is a movie type or category such as horror, comedy, drama etc.)

* **Each movie must have a name, description and release year. (2)**
* **Each movie must belong to one genre. (2)**
* **Each genre must have a name and description. (2)**
* **Show the correct relationship between the tables. (4)**

**Save the diagram as DBFinal.mwb**

**4 – Write a query that creates the database and tables in question 4. (10)**

**Query:**

**Once you have completed the test, save this document with your name in the file name. Submit this document along with the file from question 4 DBFinal.mwb in the moodle drop box.**