## **COSC 3380**

Name: \_Paola Garibay\_\_\_

## **Seat # \_F1\_**

## **Project 2: Implementation - SQL**

**(100 points)** 

(Due date found in the COSC 3380 Detailed Syllabus!)

1.	18 points
2.	40 points
3.	42 points

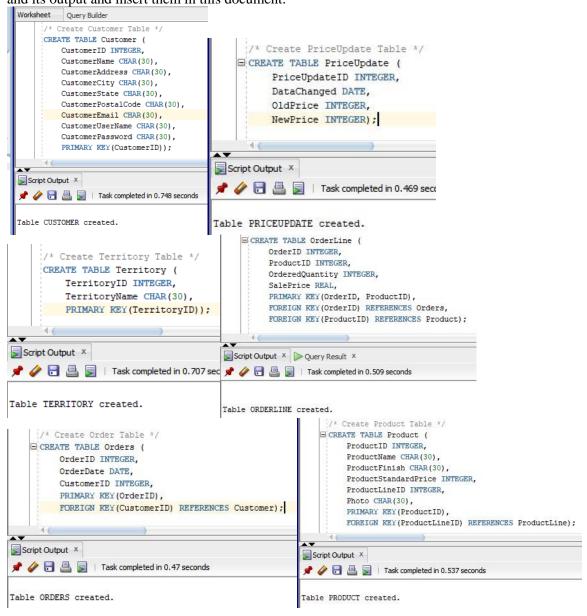
PLEASE ENTER YOUR GRADE IN THIS BOX & ALSO on the CHECK SHEET:

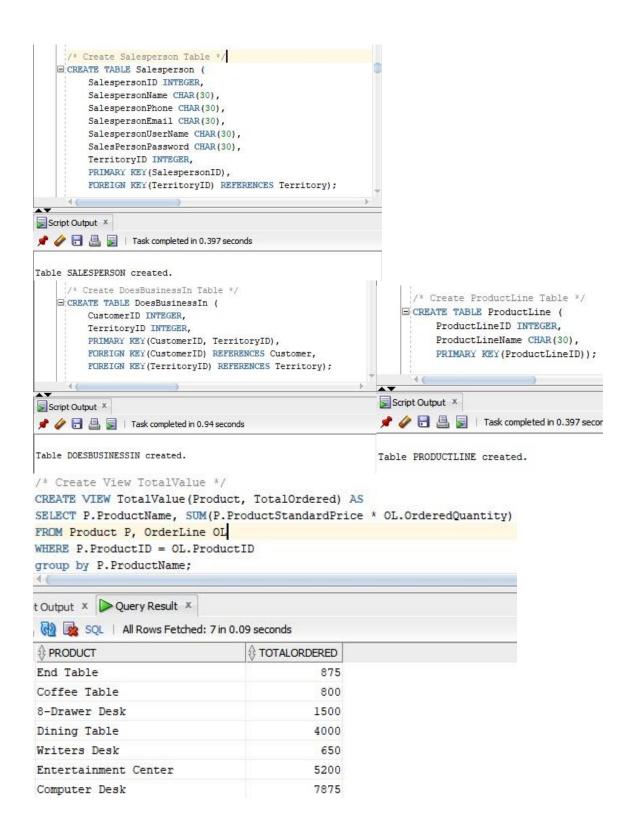
#### **1.** (18 points)

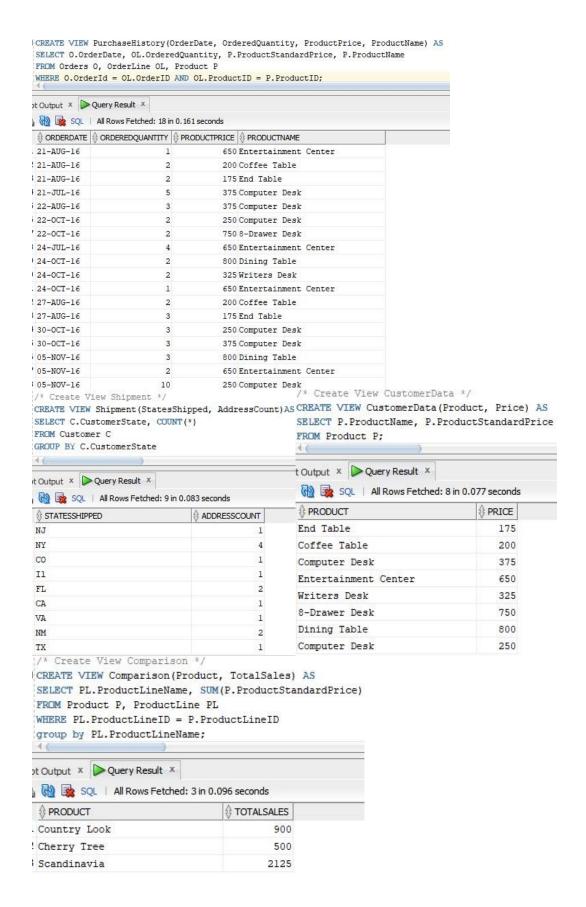
#### a. (13 points)

Using Project 1 Relations/Tables (including VIEWs) create them in the Oracle DBMS database. Create Project 2.sql that contains the Commented SQL commands.

In **Project 2.doc** run one command at the time and take a screenshot of the commented command and its output and insert them in this document.

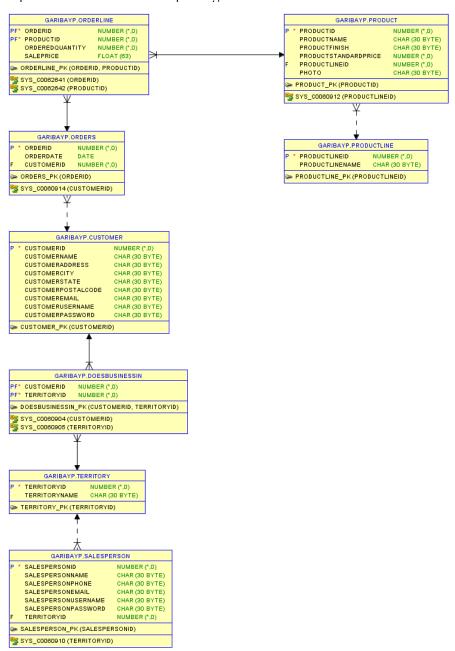






#### b. (5 points)

Request the Table Relationships Diagram for the *Data*base and attach it in Project 2.doc (here).



GARIBAYP.PRICEUPDATE			
PRICEUPDATEID	NUMBER (*,0)		
DATACHANGED	DATE		
OLDPRICE	NUMBER (*,0)		
NEWPRICE	NUMBER (*,0)		

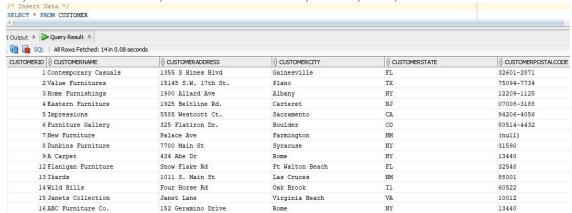
#### **2.** (40 points)

The Client has supplied the following data. Use **SQL** to **insert these data** in the Oracle DBMS database created in **Project 1**.

#### Customer

<u>CustomerID</u>, CustomerName, CustomerAddress, CustomerCity, CustomerState, CustomerPostalCode, CustomerEmail, CustomerUserName, CustomerPassword

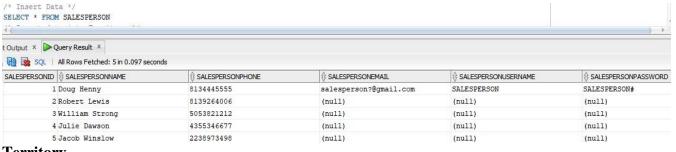
- 1, 'Contemporary Casuals', '1355 S Hines Blvd', 'Gainesville', 'FL', '32601-2871'
- 2, 'Value Furnitures', '15145 S.W. 17th St.', 'Plano', 'TX', '75094-7734'
- 3, 'Home Furnishings', '1900 Allard Ave', 'Albany', 'NY', '12209-1125',
- 'homefurnishings?@gmail.com', 'CUSTOMER1', 'CUSTOMER1#'
- 4, 'Eastern Furniture', '1925 Beltline Rd.', 'Carteret', 'NJ', '07008-3188'
- 5, 'Impressions', '5585 Westcott Ct.', 'Sacramento', 'CA', '94206-4056'
- 6, 'Furniture Gallery', '325 Flatiron Dr.', 'Boulder', 'CO', '80514-4432'
- 7, 'New Furniture', 'Palace Ave', 'Farmington', 'NM', "
- 8, 'Dunkins Furniture', '7700 Main St', 'Syracuse', 'NY', '31590'
- 9, 'A Carpet', '434 Abe Dr', 'Rome', 'NY', '13440'
- 12, 'Flanigan Furniture', 'Snow Flake Rd', 'Ft Walton Beach', 'FL', '32548'
- 13, 'Ikards', '1011 S. Main St', 'Las Cruces', 'NM', '88001'
- 14, 'Wild Bills', 'Four Horse Rd', 'Oak Brook', 'Il', '60522'
- 15, 'Janet's Collection', 'Janet Lane', 'Virginia Beach', 'VA', '10012'
- 16, 'ABC Furniture Co.', '152 Geramino Drive', 'Rome', 'NY', '13440'



#### Salesperson

<u>SalespersonID</u>, SalespersonName, SalespersonPhone, SalespersonEmail, SalespersonUserName, SalespersonPassword, TerritoryID

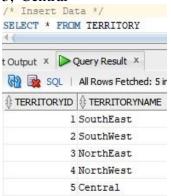
- 1, 'Doug Henny', '8134445555', 'salesperson?@gmail.com', 'SALESPERSON', 'SALESPERSON#',1
- 2, 'Robert Lewis', '8139264006', ", ", ", 2
- 3, 'William Strong', '5053821212', ", ", ", 3
- 4, 'Julie Dawson', '4355346677', ", ", ", 4
- 5, 'Jacob Winslow', '2238973498', ", ", ", 5



### **Territory**

#### TerritoryID, TerritoryName

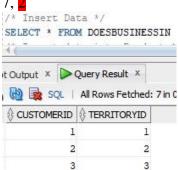
- 1, 'SouthEast'
- 2, 'SouthWest'
- 3, 'NorthEast'
- 4, 'NorthWest'
- 5, 'Central'



#### DoesBusinessIn

#### CustomerID, TerritoryID

- 1, 1
- 2, 2
- 3, 3
- 4, 4
- 5, 5
- 6, 1



4

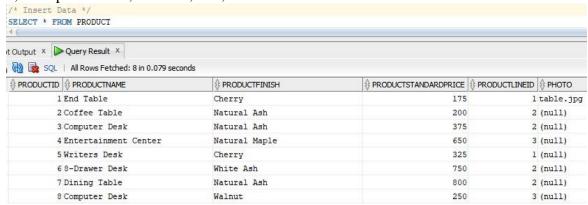
5 6 4 5

1 2

#### **Product**

ProductID, ProductName, ProductFinish, ProductStandardPrice, ProductLineID, Photo

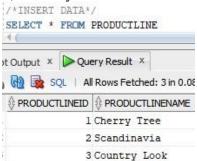
- 1, 'End Table', 'Cherry', 175, 1, table.jpg
- 2, 'Coffee Table', 'Natural Ash', 200, 2
- 3, 'Computer Desk', 'Natural Ash', 375, 2
- 4, 'Entertainment Center', 'Natural Maple', 650, 3
- 5, 'Writers Desk', 'Cherry', 325, 1
- 6, '8-Drawer Desk', 'White Ash', 750, 2
- 7, 'Dining Table', 'Natural Ash', 800, 2
- 8, 'Computer Desk', 'Walnut', 250, 3



#### **ProductLine**

ProductLineID, ProductLineName

- 1, 'Cherry Tree'
- 2, 'Scandinavia'
- 3, 'Country Look'



#### Order

OrderID, OrderDate, CustomerID

1001, '21/Aug/16', 1

1002, '21/Jul/16', 8

1003, '22/ Aug/16', 15

1004, '22/Oct/16', 5

1005, '24/Jul/16', 3

1006, '24/Oct/16', 2

1007, '27/ Aug/16', 5

1008, '30/Oct/16', 12

1009, '05/Nov/16', 4

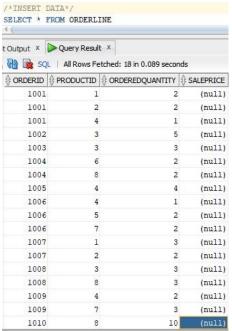
1010, '05/Nov/16', 1

#### /\*INSERT DATA\*/ SELECT \* FROM ORDERS t Output × Query Result × SQL | All Rows Fetched: 10 in 0.077 ♦ ORDERID | ♦ ORDERDATE | ♦ CUSTOMERID 1001 21-AUG-16 1 8 1002 21-JUL-16 1003 22-AUG-16 15 1004 22-OCT-16 5 1005 24-JUL-16 3 2 1006 24-OCT-16 1007 27-AUG-16 5 1008 30-OCT-16 12 4 1009 05-NOV-16 1010 05-NOV-16 1

#### **OrderLine**

OrderID, ProductID, OrderedQuantity, SalePrice

- 1001, 1, 2
- 1001, 2, 2
- 1001, 4, 1
- 1002, 3, 5
- 1003, 3, 3
- 1004, 6, 2
- 1004, 8, 2
- 1005, 4, 4
- 1006, 4, 1
- 1006, 5, 2
- 1006, 7, 2
- 1007, 1, 3
- 1007, 2, 2
- 1008, 3, 3
- 1008, 8, 3
- 1009, 4, 2
- 1009, 7, 3
- 1010, 8, 10

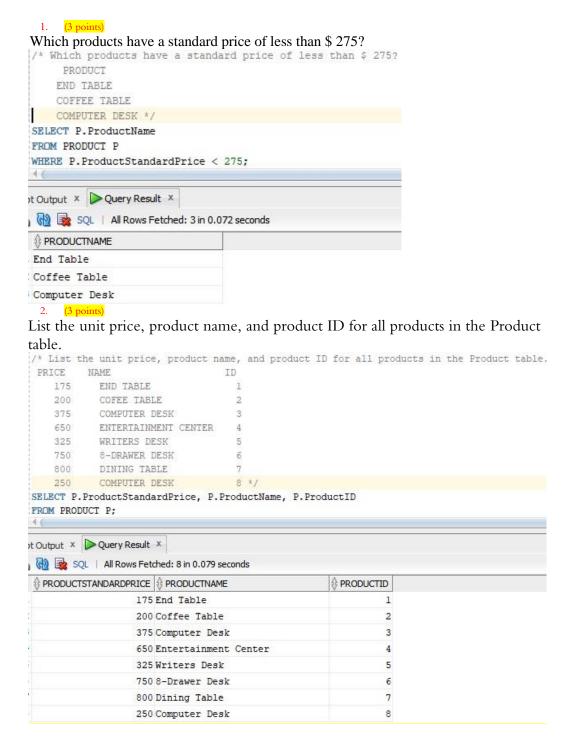


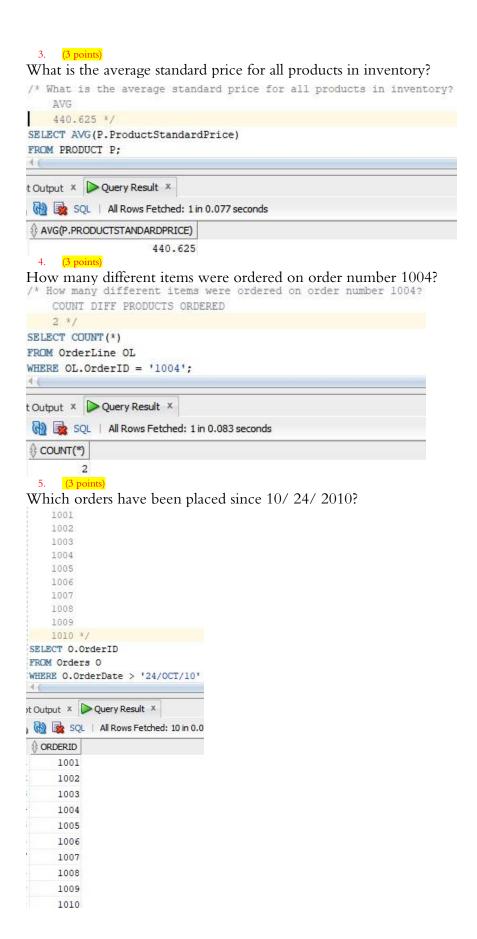
**PriceUpdate** 

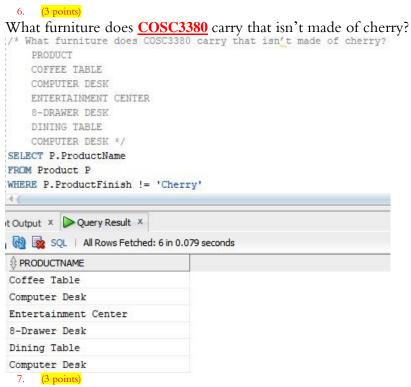
PriceUpdateID, DateChanged, OldPrice, NewPrice

#### **3.** (42 points)

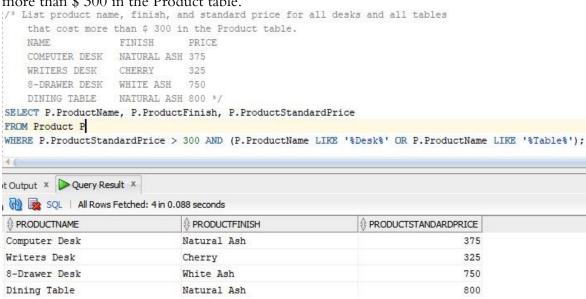
The Client wishes that you create the **SQL** code for the following queries (please make sure you SQL COMMENT each query and produce the **screenshots for SQL COMMENT, SQL COMMAND, and SQL OUTPUT each, to be placed in Project 2.doc**):





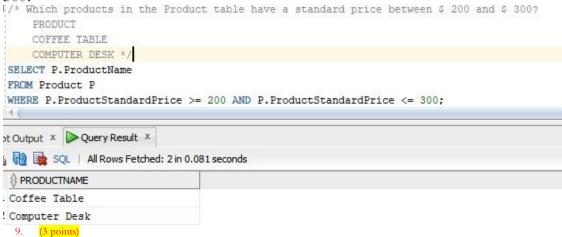


List product name, finish, and standard price for all desks and all tables that cost more than \$ 300 in the Product table.

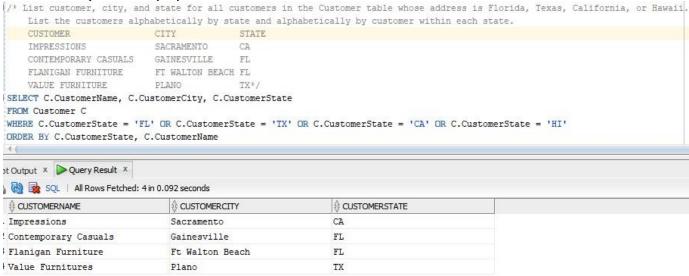


#### 8. (3 points)

Which products in the Product table have a standard price between \$ 200 and \$ 300?

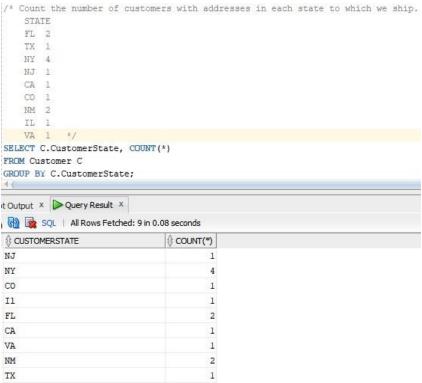


List customer, city, and state for all customers in the Customer table whose address is Florida, Texas, California, or Hawaii. List the customers alphabetically by state and alphabetically by customer within each state.



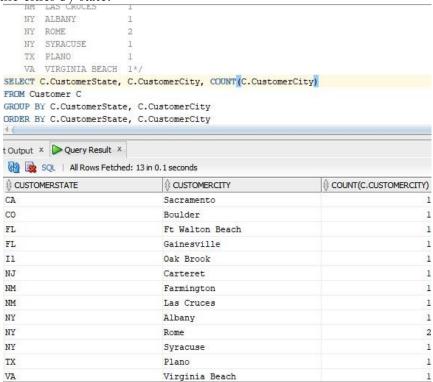
#### 10. **(3 points)**

Count the number of customers with addresses in each state to which we ship.



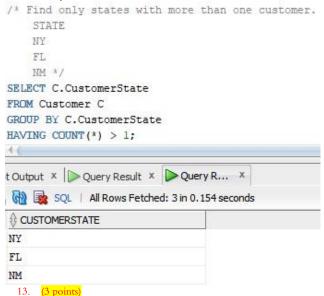
#### 11. **(3 points**

Count the number of customers with addresses in each city to which we ship. List the cities by state.

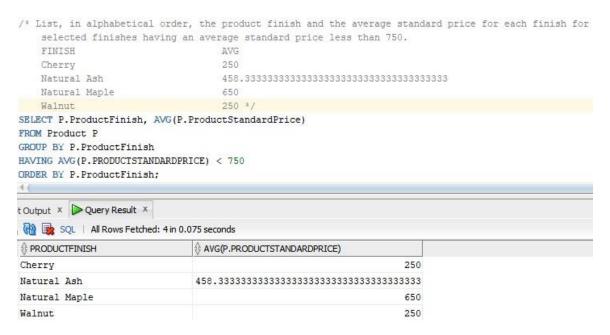


#### 12. (3 points)

Find only states with more than one customer.



List, in alphabetical order, the product finish and the average standard price for each finish for selected finishes having an average standard price less than 750.



# 14. (3 points) What is the total value of orders placed for each furniture product?

/* What is the total value	of orders placed for each furniture product?
PRODUCT	TOTAL VALUE
End Table	875
Coffee Table	800
8-Drawer Desk	1500
Dining Table	4000
Writers Desk	650
Entertainment Center	5200
Computer Desk	7875 */
t Output × Query Result ×	7 in 0.078 seconds
∯ PRODUCTNAME	\$ SUM(P.PRODUCTSTANDARDPRICE*OL.ORDEREDQUANTITY)
End Table	875
Coffee Table	800
8-Drawer Desk	1500
Dining Table	4000
Writers Desk	650
Entertainment Center	5200